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Tabelle der Likelihood-Quotienten Y/X (nach Essen-Möller) des Rh-Blutgruppensystems in allgemeiner Form

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Table of the General Likelihood Ratios Y/X (According to Essen-Möller) of the Rh-Blood Group System

Key words: Likelihood ratio Y/X, Rh-blood group system – Rh-blood group system, likelihood ratio Y/X – Blood groups, likelihood ratio

Schlüsselwörter: Likelihood-Quotient, Y/X, Rh-System – Rh-System, Likelihood-Quotient – Blutgruppen, Likelihood-Quotient

Die vorliegende Tabelle trägt dem Bedürfnis des Blutgruppensachverständigen Rechnung, bei dem biostatistischen Gutachten nicht irgendwelche numerisch tabellierten, sondern die für seine Population gültigen Häufigkeiten zur Berechnung des Likelihood-Quotienten Y/X (nach Essen-Möller) im Rh-Blutgruppensystem zu verwenden. Der besseren Übersicht und Handhabung wegen ist die Tabelle in zwei Teile I und II gegliedert. Teil I enthält die 30 möglichen Rh-Muster der Präsumptivväter in der DCE-Nomenklatur, denen die Nenner X und die Likelihood-Quotienten Y/X zugeordnet sind. Die beiden Größen (X und Y/X) sind einmal durch allgemeine (nicht numerische) Genhäufigkeiten (R_0, R_1, $R_1^w \ldots r^2$, r^y, r^{yw}) und zum anderen durch sog. Substituenten (a, b, c ... l, m und N) ausgedrückt. Die ebenfalls in allgemeinen (nicht numerischen) Genfrequenzen ausgedrückten Werte der Substituenten sind im Teil II nach den Rh-Mustern der Kinder geordnet aufgeführt, unter denen auch die zugehörigen Rh-Muster der Mütter notiert sind.

Die mit R_0, R_1, $R_1^w \ldots r''$, r^y, r^{yw} bezeichneten Größen — dies sei nochmals hervorgehoben — entsprechen den Häufigkeiten der das Rh-System genetisch kontrollierenden Antigenkomplexe Dce, DCe, $DC^we \ldots$ dcE, dCE, dC^wE.

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Das Aufsuchen des Quotienten Y/X läßt sich am besten an einem Beispiel demonstrieren. Es sei das Kind (Kd): $DC^{w}Ee$, die Kindesmutter (KM): DccEe und der Präsumptivvater (PV): $DC^{w}cee$.

Mit dem Muster des PV geht man von der linken Randspalte des Teils I in die Tabelle und findet in der 3. Spalte derselben Zeile unter dem Symbol (Y/X) des Quotienten:

$$(1) \qquad \frac{Y}{X} = 2N \cdot \frac{R_0R_1{}^{w} + R_0r'^{w} + R_1{}^{w}r}{a(R_1{}^{w} + r'^{w}) + bR_1{}^{w} + i(R_0 + r) + kR_0}$$

Nun geht man mit dem Muster des Kd in den Teil II der Tabelle und findet das Muster der KM in der linken Randspalte und direkt daneben die Genhäufigkeiten der Substituenten:

$$\begin{aligned} a &= 0, \\ b &= 0, \\ (2)\ i &= R_2R_1{}^{w}(R_0 + r) + R_0R_1{}^{w}r'', \\ k &= R_2r'^{w}(R_0 + r), \\ N &= R_2(R_0 + r)(R_1{}^{w} + r'^{w}) + R_0R_1{}^{w}r'' + R_0(R_2 + r'')(R_z{}^{w} + r^{yw}) + R_2R_z{}^{w}r. \end{aligned}$$

Einsetzen von (2) in (1) führt schließlich zu:

$$(3) \quad \frac{Y}{X} = \frac{2[R_2(R_0+r)(R_1{}^{w}+r'^{w}) + R_0R_1{}^{w}r'' + R_0(R_2+r'')(R_z{}^{w}+r^{yw}) + R_2R_z{}^{w}r](R_0R_1{}^{w} + R_0r'^{w} + R_1{}^{w}r)}{R_2R_1{}^{w}(R_0 + r)^2 + R_0R_1{}^{w}r''(R_0 + r) + R_0R_2r'^{w}(R_0 + r)}.$$

Damit ist alles getan. Der Untersucher kann nun die numerischen Genfrequenzen in den allgemeinen Ausdruck einsetzen, die für die untersuchte Population und geographische Region zutreffen.

Eine Information, wie die Quotienten der Tabelle ermittelt worden sind, d. h. auch eine Anleitung zur Selbstkonstruktion, wird (Sachs und Schmage, 1979) an anderer Stelle gegeben werden.

This Table compiles the general terms of the likelihood-ratios Y/X (according to Essen-Möller) of the Rh-blood group system. It enables the blood group serologist to use those gene frequencies for the calculation of the likelihood ratio of the biostatistical paternity presumption that are appropriate for the considered or investigated population. Accordingly, it is no longer necessary to use any other, in all probability not valid, numerically tabulated frequencies.

The table is arranged in two parts. Part I contains the 30 possible Rh-patterns of the presumptive fathers in the DCE-nomenclature with the appropriate denominators X and the likelihood ratios Y/X. The latter are not expressed by numerical but by general gene frequencies (R_0, R_1, $R_1{}^{w}$, ... r'', r^{y}, r^{yw}) and so called "substituents" (a, b, c, ... l, m and N).

The values of the substituents expressed also in the general gene frequencies (R_0, R_1, $R_1^w \ldots r''$, r^y, r^{yw}) are listed in part II, arranged to the Rh-patterns of the children with the belonging possible Rh-patterns of the mothers. The symbols R_0, R_1, $R_1^w \ldots r''$, r^y, r^{yw} correspond to the frequencies of the antigen complexes Dce, DCe, $DC^we \ldots$ dcE, dCE, dC^wE genetically controling the Rh-systems.

The use of the table can be easily demonstrated by the following example: child (Kind) DC^wcEe, mother (Mutter) DccEe, and presumptive father (Präsumptivvater) DC^wcee:

Enter the table with the Rh-pattern of the presumptive father in the marginal column of part I. In the 3rd column of the same row you will find:

$$(1) \qquad \frac{Y}{X} = 2N \cdot \frac{R_0R_1^w + R_0r'^w + R_1^wr}{a(R_1^w + r'^w) + bR_1^w + i(R_0 + r) + kR_0}$$

Now enter part II of the table with the Rh-pattern of the child. Next to the Rh-pattern of the corresponding mother given in the left marginal column you will find the general frequencies of the substituents:

$$\begin{aligned} a &= 0, \\ b &= 0, \\ (2)\ i &= R_2R_1^w(R_0 + r) + R_0R_1^wr'', \\ k &= R_2r'^w(R_0 + r), \\ N &= R_2(R_0 + r)(R_1^w + r'^w) + R_0R_1^wr'' + R_0(R_2 + r'')(R_z^w + r^{yw}) + R_2R_z^wr. \end{aligned}$$

By substitution of (2) in (1) follows:

$$(3) \quad \frac{Y}{X} = \frac{2[R_2(R_0+r)(R_1^w+r'^w)+R_0R_1^wr''+R_0(R_2+r'')(R_z^w+r^{yw})+R_2R_z^wr](R_0R_1^w+R_0r'^w+R_1^wr)}{R_2R_1^w(R_0+r)^2+R_0R_1^wr''(R_0+r)+R_0R_2r'^w(R_0+r)}.$$

That's all. The investigator is now able to replace the general frequencies by numerical frequencies belonging to the considered population and the geographical area.

An information about the calculation of the ratios in the table is in preparation (Sachs and Schmage, 1979).

Tabelle 1. I

Phänotyp des Präsumptivvaters	X
Dccee	$\frac{a(R_0 + r) + bR_0}{N}$
DCcee	$\frac{a(R_1 + r') + bR_1 + c(R_0 + r) + dR_0}{N}$
DccEe	$\frac{a(R_2 + r'') + bR_2 + e(R_0 + r) + fR_0}{N}$
DCcEe	$\frac{a(R_z + r^y) + bR_z + c(R_2 + r'') + dR_2 + e(R_1 + r') + fR_1 + g(R_0 + r) + hR_0}{N}$
DC^{w}cee	$\frac{a(R_1{}^w + r'^w) + bR_1{}^w + i(R_0 + r) + kR_0}{N}$
DC^{w}cEe	$\frac{a(R_z{}^w + r^{yw}) + bR_z{}^w + e(R_1{}^w + r'^w) + fR_1{}^w + i(R_2 + r'') + kR_2 + l(R_0 + r) + mR_0}{N}$
DCCee	$\frac{c(R_1 + r') + dR_1}{N}$
DCCEe	$\frac{c(R_z + r^y) + dR_z + g(R_1 + r') + hR_1}{N}$
DC^{w}Cee	$\frac{c(R_1{}^w + r'^w) + dR_1{}^w + i(R_1 + r' + R_1{}^w + r'^w) + k(R_1 + R_1{}^w)}{N}$
DC^{w}CEe	$\frac{c(R_z{}^w + r^{yw}) + dR_z{}^w + g(R_1{}^w + r'^w) + hR_1{}^w + i(R_z + r^y + R_z{}^w + r^{yw}) + \ldots}{N}$ $\frac{\ldots + k(R_z + R_z{}^w) + l(R_1 + r' + R_1{}^w + r'^w) + m(R_1 + R_1{}^w)}{N}$
DccEE	$\frac{e(R_2 + r'') + fR_2}{N}$
DCcEE	$\frac{e(R_z + r^y) + fR_z + g(R_2 + r'') + hR_2}{N}$
DC^{w}cEE	$\frac{e(R_z{}^w + r^{yw}) + fR_z{}^w + l(R_2 + r'') + mR_2}{N}$

Tabelle 1. I (Fortsetzung)

Y/X
$N \cdot \dfrac{R_0^2 + 2R_0 r}{a(R_0 + r) + bR_0}$
$2N \cdot \dfrac{R_0R_1 + R_0r' + R_1r}{a(R_1 + r') + bR_1 + c(R_0 + r) + dR_0}$
$2N \cdot \dfrac{R_0R_2 + R_0r'' + R_2r}{a(R_2 + r'') + bR_2 + e(R_0 + r) + fR_0}$
$2N \cdot \dfrac{R_0R_z + R_0r^y + R_zr + R_1R_2 + R_1r'' + R_2r'}{a(R_z + r^y) + bR_z + c(R_2 + r'') + dR_2 + e(R_1 + r') + fR_1 + g(R_0 + r) + hR_0}$
$2N \cdot \dfrac{R_0R_1{}^w + R_0r'^w + R_1{}^wr}{a(R_1{}^w + r'^w) + bR_1{}^w + i(R_0 + r) + kR_0}$
$2N \cdot \dfrac{R_0R_z{}^w + R_0r^{yw} + R_z{}^wr + R_2R_1{}^w + R_2r'^w + R_1{}^wr''}{a(R_z{}^w + r^{yw}) + bR_z{}^w + e(R_1{}^w + r'^w) + fR_1{}^w + i(R_2 + r'') + kR_2 + l(R_0 + r) + mR_0}$
$N \cdot \dfrac{R_1^2 + 2R_1r'}{c(R_1 + r') + dR_1}$
$2N \cdot \dfrac{R_1R_z + R_1r^y + R_zr'}{c(R_z + r^y) + dR_z + g(R_1 + r') + hR_1}$
$N \cdot \dfrac{2R_1R_1{}^w + 2R_1r'^w + 2R_1{}^wr' + R_1{}^{w2} + 2R_1{}^wr'^w}{c(R_1{}^w + r'^w) + dR_1{}^w + i(R_1 + r' + R_1{}^w + r'^w) + k(R_1 + R_1{}^w)}$
$2N \cdot \dfrac{R_1R_z{}^w + R_1r^{yw} + R_z{}^wr' + R_zR_1{}^w + R_zr'^w + \ldots}{c(R_z{}^w + r^{yw}) + dR_z{}^w + g(R_1{}^w + r'^w) + hR_1{}^w + i(R_z + r^y + R_z{}^w + r^{yw}) + \ldots}$ $\dfrac{\ldots + R_1{}^wr^y + R_1{}^wR_z{}^w + R_1{}^wr^{yw} + R_z{}^wr'^w}{\ldots + k(R_z + R_z{}^w) + l(R_1 + r' + R_1{}^w + r'^w) + m(R_1 + R_1{}^w)}$
$N \cdot \dfrac{R_2^2 + 2R_2r''}{e(R_2 + r'') + fR_2}$
$2N \cdot \dfrac{R_2R_z + R_2r^y + R_zr''}{e(R_z + r^y) + fR_z + g(R_2 + r'') + hR_2}$
$2N \cdot \dfrac{R_2R_z{}^w + R_2r^{yw} + R_z{}^wr''}{e(R_z{}^w + r^{yw}) + fR_z{}^w + l(R_2 + r'') + mR_2}$

Tabelle 1. I (Fortsetzung)

Phänotyp des Präsumptivvaters	X
DCCEE	$\frac{g(R_z + r^y) + hR_z}{N}$
DC^{w}CEE	$\frac{g(R_z{}^w + r^{yw}) + hR_z{}^w + l(R_z + r^y + R_z{}^w + r^{yw}) + m(R_z + R_z{}^w)}{N}$
dccee	$\frac{br}{N}$
dCcee	$\frac{br' + dr}{N}$
dccEe	$\frac{br'' + fr}{N}$

Phänotyp des Präsumptivvaters	X	Y/X
dCcEe	$\frac{br^y + dr'' + fr' + hr}{N}$	$2N \cdot \frac{rr^y + r'r''}{br^y + dr'' + fr' + hr}$
dC^{w}cee	$\frac{br'^w + kr}{N}$	$2N \cdot \frac{rr'^w}{br'^w + kr}$
dC^{w}cEe	$\frac{br^{yw} + fr'^w + kr'' + mr}{N}$	$2N \cdot \frac{rr^{yw} + r''r'^w}{br^{yw} + fr'^w + kr'' + mr}$
dCCee	$\frac{dr'}{N}$	$\frac{N \cdot r'}{d}$
dCCEe	$\frac{dr^y + hr'}{N}$	$2N \cdot \frac{r'r^y}{dr^y + hr'}$
dC^{w}Cee	$\frac{dr'^w + k(r' + r'^w)}{N}$	$N \cdot \frac{2r'r'^w + r'^{w2}}{dr'^w + k(r' + r'^w)}$

Tabelle 1. I (Fortsetzung)

Y/X
$N \cdot \frac{R_z^2 + 2R_z r^y}{g(R_z + r^y) + hR_z}$
$N \cdot \frac{2R_z R_z^w + 2R_z r^{yw} + 2R_z^w r^y + R_z^{w2} + 2R_z^w r^{yw}}{g(R_z^w + r^{yw}) + hR_z^w + l(R_z + r^y + R_z^w + r^{yw}) + m(R_z + R_z^w)}$
$\frac{N \cdot r}{b}$
$2N \cdot \frac{rr'}{br' + dr}$
$2N \cdot \frac{rr''}{br'' + fr}$

Phänotyp des Präsumptivvaters	X	Y/X
dC^{w}CEe	$\frac{dr^{yw} + hr'^w + k(r^y + r^{yw}) + m(r' + r'^w)}{N}$	$2N \cdot \frac{r'r^{yw} + r^y r'^w + r'^w r^{yw}}{dr^{yw} + hr'^w + k(r^y + r^{yw}) + m(r' + r'^w)}$
dccEE	$\frac{fr''}{N}$	$\frac{N \cdot r''}{f}$
dCcEE	$\frac{fr^y + hr''}{N}$	$2N \cdot \frac{r''r^y}{fr^y + hr''}$
dC^{w}cEE	$\frac{fr^{yw} + mr''}{N}$	$2N \cdot \frac{r''r^{yw}}{fr^{yw} + mr''}$
dCCEE	$\frac{hr^y}{N}$	$\frac{N \cdot r^y}{h}$
dC^{w}CEE	$\frac{hr^{yw} + m(r^y + r^{yw})}{N}$	$N \cdot \frac{2r^y r^{yw} + r^{yw2}}{hr^{yw} + m(r^y + r^{yw})}$

Tabelle 1. II

Register der Muster der Kinder	Seiten	Register der Muster der Kinder	Seiten
Dccee	338	dccee	358
DCcee	339	dCcee	358
DccEe	340	dccEe	359
DCcEe	341—343	dCcEe	359—360
DC^{w}cee	343—344	dC^{w}cee	361
DC^{w}cEe	344—346	dC^{w}cEe	361—362
DCCee	347	dCCee	362
DCCEe	347—348	dC^{w}Cee	362—363
DC^{w}Cee	349—350	dCCEe	363
DC^{w}CEe	350—352	dC^{w}CEe	364
DccEE	353	dccEE	365
DCcEE	353—354	dCcEE	365
DC^{w}cEE	355—356	dC^{w}cEE	365—366
DCCEE	356	dCCEE	366
DC^{w}CEE	356—357	dC^{w}CEE	366

Tabelle 1. II. Kind: Dccee

Mutter	Substituenten ($c = 0, d = 0, e = 0, f = 0, g = 0, h = 0, i = 0, k = 0, l = 0, m = 0$)
Dccee	$a = R_0(R_0 + r) + R_0 r$ $b = r(R_0 + r)$ $N = (R_0 + r)^2 + R_0 r$
DCcee	$a = R_0(R_1 + r') + R_1 r$ $b = r(R_1 + r')$ $N = (R_0 + r)(R_1 + r') + R_1 r$
DccEe	$a = R_0(R_2 + r'') + R_2 r$ $b = r(R_2 + r'')$ $N = (R_0 + r)(R_2 + r'') + R_2 r$
DCcEe	$a = R_0(R_z + r^y) + R_z r$ $b = r(R_z + r^y)$ $N = (R_0 + r)(R_z + r^y) + R_z r$
DC^{w}cee	$a = R_0(R_1{}^w + r'^w) + R_1{}^w r$ $b = r(R_1{}^w + r'^w)$ $N = (R_0 + r)(R_1{}^w + r'^w) + R_1{}^w r$
DC^{w}cEe	$a = R_0(R_z{}^w + r^{yw}) + R_z{}^w r$ $b = r(R_z{}^w + r^{yw})$ $N = (R_0 + r)(R_z{}^w + r^{yw}) + R_z{}^w r$
dccee	$a = 1$
dCcee	$b = 0$
dccEe	$N = 1$
dCcEe	
dC^{w}cee	
dC^{w}cEe	

Tabelle 1. II. Kind: DCcee

Mutter	Substituenten (e = 0, f = 0, g = 0, h = 0, i = 0, k = 0, l = 0, m = 0)
Dccee	$a = 0$ $b = 0$ $c = R_1(R_0 + r) + R_1 r$ $d = r'(R_0 + r)$ $N = (R_0 + r)(R_1 + r') + R_1 r$
DCcee	$a = R_0R_1(R_0 + r) + R_0^2 r'$ $b = R_1 r(R_0 + r)$ $c = R_0R_1(R_1 + r') + R_1^2 r$ $d = R_0 r'(R_1 + r')$ $N = R_1(R_0 + r)^2 + R_0^2 r' + R_0(R_1 + r')^2 + R_1^2 r$
DccEe	$a = 0$ $b = 0$ $c = R_0R_1(R_2 + r'') + R_1R_2 r$ $d = R_0 r'(R_2 + r'')$ $N = R_0(R_1 + r')(R_2 + r'') + R_1R_2 r$
DCcEe	$a = R_0R_1(R_2 + r'') + R_0R_2 r'$ $b = R_1 r(R_2 + r'')$ $c = R_0R_1(R_z + r^y) + R_1R_z r$ $d = R_0 r'(R_z + r^y)$ $N = R_1(R_0 + r)(R_2 + r'') + R_0R_2 r' + R_0(R_1 + r')(R_z + r^y) + R_1R_z r$
DC^{w}cee	$a = 0$ $b = 0$ $c = R_0R_1(R_1^w + r'^w) + R_1R_1^w r$ $d = R_0 r'(R_1^w + r'^w)$ $N = R_0(R_1 + r')(R_1^w + r'^w) + R_1R_1^w r$

Mutter		Mutter	
DC^{w}cEe	$a = 0$ $b = 0$ $c = R_0R_1(R_z^w + r^{yw}) + R_1R_z^w r$ $d = R_0 r'(R_z^w + r^{yw})$ $N = R_0(R_1 + r')(R_z^w + r^{yw}) + R_1R_z^w r$	dccee	$a = 0,\ b = 0,\ d = 0$ $c = 1$ $N = 1$
DCCee	$a = R_0(R_1 + r') + R_0 r'$ $b = r(R_1 + r')$ $c = 0$ $d = 0$ $N = (R_0 + r)(R_1 + r') + R_0 r'$	dCcee	$b = 0,\ d = 0$ $a = R_0$ $c = R_1$ $N = R_0 + R_1$
DCCEe	$a = R_0R_1(R_z + r^y) + R_0R_z r'$ $b = R_1 r(R_z + r^y)$ $c = 0$ $d = 0$ $N = R_1(R_0 + r)(R_z + r^y) + R_0R_z r'$	dccEe	$a = 0,\ b = 0,\ d = 0$ $c = 1$ $N = 1$
DC^{w}Cee	$a = R_0R_1(R_1^w + r'^w) + R_0R_1^w r'$ $b = R_1 r(R_1^w + r'^w)$ $c = 0$ $d = 0$ $N = R_1(R_0 + r)(R_1^w + r'^w) + R_0R_1^w r'$	dCcEe	$b = 0,\ d = 0$ $a = R_0 r' r''$ $c = R_1 r r^y$ $N = R_0 r' r'' + R_1 r r^y$
DC^{w}CEe	$a = R_0R_1(R_z^w + r^{yw}) + R_0R_z^w r'$ $b = R_1 r(R_z^w + r^{yw})$ $c = 0$ $d = 0$ $N = R_1(R_0 + r)(R_z^w + r^{yw}) + R_0R_z^w r'$	dC^{w}cee dC^{w}cEe	$a = 0,\ b = 0,\ d = 0$ $c = 1$ $N = 1$
		dCCee dCCEe dC^{w}Cee dC^{w}CEe	$b = 0,\ c = 0,\ d = 0$ $a = 1$ $N = 1$

Tabelle 1. II. Kind: DccEe

Mutter	Substituenten (c = 0, d = 0, g = 0, h = 0, i = 0, k = 0, l = 0, m = 0)
Dccee	$a = 0$ $b = 0$ $e = R_2(R_0 + r) + R_2 r$ $f = r''(R_0 + r)$ $N = (R_0 + r)(R_2 + r'') + R_2 r$
DCcee	$a = 0$ $b = 0$ $e = R_0 R_2(R_1 + r') + R_1 R_2 r$ $f = R_0 r''(R_1 + r')$ $N = R_0(R_1 + r')(R_2 + r'') + R_1 R_2 r$
DccEe	$a = R_0 R_2(R_0 + r) + R_0^2 r''$ $b = R_2 r(R_0 + r)$ $e = R_0 R_2(R_2 + r'') + R_2^2 r$ $f = R_0 r''(R_2 + r'')$ $N = R_2(R_0 + r)^2 + R_0^2 r'' + R_0(R_2 + r'')^2 + R_2^2 r$
DCcEe	$a = R_0 R_2(R_1 + r') + R_0 R_1 r''$ $b = R_2 r(R_1 + r')$ $e = R_0 R_2(R_z + r^y) + R_2 R_z r$ $f = R_0 r''(R_z + r^y)$ $N = R_2(R_0 + r)(R_1 + r') + R_0 R_1 r'' + R_0(R_2 + r'')(R_z + r^y) + R_2 R_z r$
DC^{w}cee	$a = 0$ $b = 0$ $e = R_0 R_2(R_1^w + r'^w) + R_2 R_1^w r$ $f = R_0 r''(R_1^w + r'^w)$ $N = R_0(R_2 + r'')(R_1^w + r'^w) + R_2 R_1^w r$
DC^{w}cEe	$a = R_0 R_2(R_1^w + r'^w) + R_0 R_1^w r''$ $b = R_2 r(R_1^w + r'^w)$ $e = R_0 R_2(R_z^w + r^{yw}) + R_2 R_z^w r$ $f = R_0 r''(R_z^w + r^{yw})$ $N = R_2(R_0 + r)(R_1^w + r'^w) + R_0 R_1^w r'' + R_0(R_2 + r'')(R_z^w + r^{yw}) + R_2 R_z^w r$
DccEE	$a = R_0(R_2 + r'') + R_0 r''$ $b = r(R_2 + r'')$ $e = 0$ $f = 0$ $N = (R_0 + r)(R_2 + r'') + R_0 r''$
DCcEE	$a = R_0 R_2(R_z + r^y) + R_0 R_z r''$ $b = R_2 r(R_z + r^y)$ $e = 0$ $f = 0$ $N = R_2(R_0 + r)(R_z + r^y) + R_0 R_z r''$
DC^{w}cEE	$a = R_0 R_2(R_z^w + r^{yw}) + R_0 R_z^w r''$ $b = R_2 r(R_z^w + r^{yw})$ $e = 0$ $f = 0$ $N = R_2(R_0 + r)(R_z^w + r^{yw}) + R_0 R_z^w r''$
dccee dCcee	$a = 0,\ b = 0,\ f = 0$ $e = 1$ $N = 1$

Mutter	
dccEe	$b = 0,\ f = 0$ $a = R_0$ $e = R_2$ $N = R_0 + R_2$
dCcEe	$b = 0,\ f = 0$ $a = R_0 r' r''$ $e = R_2 r r^y$ $N = R_0 r' r'' + R_2 r r^y$
dC^{w}cee	$a = 0,\ b = 0,\ f = 0$ $e = 1$ $N = 1$
dC^{w}cEe	$b = 0,\ f = 0$ $a = R_0 r'' r'^w$ $e = R_2 r r^{yw}$ $N = R_0 r'' r'^w + R_2 r r^{yw}$
dccEE dCcEE dC^{w}cEE	$b = 0,\ e = 0,\ f = 0$ $a = 1$ $N = 1$

Tabelle 1. II. Kind: DCcEe

Mutter	Substituenten $(i = 0, k = 0, l = 0, m = 0)$
Dccee	$a = 0, b = 0, c = 0, d = 0, e = 0, f = 0$ $g = R_z(R_0 + r) + R_z r$ $h = r^y(R_0 + r)$ $N = (R_0 + r)(R_z + r^y) + R_z r$
DCcee	$a = 0, b = 0, c = 0, d = 0$ $e = R_1R_2(R_0 + r) + R_0R_2r'$ $f = R_1r''(R_0 + r)$ $g = R_0R_z(R_1 + r') + R_1R_z r$ $h = R_0r^y(R_1 + r')$ $N = R_1(R_0 + r)(R_2 + r'') + R_0R_2r' + R_0(R_1 + r')(R_z + r^y) + R_1R_z r$
DccEe	$a = 0, b = 0, e = 0, f = 0$ $c = R_1R_2(R_0 + r) + R_0R_1r''$ $d = R_2r'(R_0 + r)$ $g = R_0R_z(R_2 + r'') + R_2R_z r$ $h = R_0r^y(R_2 + r'')$ $N = R_2(R_0 + r)(R_1 + r') + R_0R_1r'' + R_0(R_2 + r'')(R_z + r^y) + R_2R_z r$
DCcEe	$a = R_0R_z(R_0 + r) + R_0{}^2r^y$ $b = R_z r(R_0 + r)$ $c = R_1R_2(R_1 + r') + R_1{}^2r''$ $d = R_2r'(R_1 + r')$ $e = R_1R_2(R_2 + r'') + R_2{}^2r'$ $f = R_1r''(R_2 + r'')$ $g = R_0R_z(R_z + r^y) + R_z{}^2r$ $h = R_0r^y(R_z + r^y)$ $N = R_z(R_0 + r)^2 + R_0{}^2r^y + R_2(R_1 + r')^2 + R_1{}^2r'' + R_1(R_2 + r'')^2 + \ldots$ $\ldots + R_2{}^2r' + R_0(R_z + r^y)^2 + R_z{}^2r$
DCwcee	$a = 0, b = 0, c = 0, d = 0, e = 0, f = 0$ $g = R_0Rz(R_1{}^w + r'^w) + R_zR_1{}^w r$ $h = R_0r^y(R_1{}^w + r'^w)$ $N = R_0(R_z + r^y)(R_1{}^w + r'^w) + R_zR_1{}^w r$
DCwcEe	$a = 0, b = 0, e = 0, f = 0$ $c = R_1R_2(R_1{}^w + r'^w) + R_1R_1{}^w r''$ $d = R_2r'(R_1{}^w + r'^w)$ $g = R_0R_z(R_z{}^w + r^{yw}) + R_zR_z{}^w r$ $h = R_0r^y(R_z{}^w + r^{yw})$ $N = R_2(R_1 + r')(R_1{}^w + r'^w) + R_1R_1{}^w r'' + R_0(R_z + r^y)(R_z{}^w + r^{yw}) + R_zR_z{}^w r$
DCCee	$a = 0, b = 0, c = 0, d = 0, g = 0, h = 0$ $e = R_2(R_1 + r') + R_2r'$ $f = r''(R_1 + r')$ $N = (R_1 + r')(R_2 + r'') + R_2r'$
DCCEe	$c = 0, d = 0, g = 0, h = 0$ $a = R_0R_z(R_1 + r') + R_0R_1r^y$ $b = R_z r(R_1 + r')$ $e = R_1R_2(R_z + r^y) + R_2R_z r'$ $f = R_1r''(R_z + r^y)$ $N = R_z(R_0 + r)(R_1 + r') + R_0R_1r^y + R_1(R_2 + r'')(R_z + r^y) + R_2R_z r'$

Tabelle 1. II (Fortsetzung)

Mutter	Substituenten ($g = 0, h = 0, i = 0, k = 0, l = 0, m = 0$)
DC^{w}Cee	$a = 0, b = 0, c = 0, d = 0$ $e = R_1R_2(R_1^w + r'^w) + R_2R_1^w r'$ $f = R_1 r''(R_1^w + r'^w)$ $N = R_1(R_2 + r'')(R_1^w + r'^w) + R_2R_1^w r'$
DC^{w}CEe	$c = 0, d = 0$ $a = R_0R_z(R_1^w + r'^w) + R_0R_1^w r^y$ $b = R_z r(R_1^w + r'^w)$ $e = R_1R_2(R_z^w + r^{yw}) + R_2R_z^w r'$ $f = R_1 r''(R_z^w + r^{yw})$ $N = R_z(R_0 + r)(R_1^w + r'^w) + R_0R_1^w r^y + R_1(R_2 + r'')(R_z^w + r^{yw}) + R_2R_z^w r'$
DccEE	$a = 0, b = 0, e = 0, f = 0$ $c = R_1(R_2 + r'') + R_1 r''$ $d = r'(R_2 + r'')$ $N = (R_1 + r')(R_2 + r'') + R_1 r''$
DCcEE	$e = 0, f = 0$ $a = R_0R_z(R_2 + r'') + R_0R_2 r^y$ $b = R_z r(R_2 + r'')$ $c = R_1R_2(R_z + r^y) + R_1R_z r''$ $d = R_2 r'(R_z + r^y)$ $N = R_z(R_0 + r)(R_2 + r'') + R_0R_2 r^y + R_2(R_1 + r')(R_z + r^y) + R_1R_z r''$
DC^{w}cEE	$a = 0, b = 0, e = 0, f = 0$ $c = R_1R_2(R_z^w + r^{yw}) + R_1R_z^w r''$ $d = R_2 r'(R_z^w + r^{yw})$ $N = R_2(R_1 + r')(R_z^w + r^{yw}) + R_1R_z^w r''$
DCCEE	$c = 0, d = 0, e = 0, f = 0$ $a = R_0(R_z + r^y) + R_0 r^y$ $b = r(R_z + r^y)$ $N = (R_0 + r)(R_z + r^y) + R_0 r^y$
DC^{w}CEE	$a = R_0R_z(R_z^w + r^{yw}) + R_0R_z^w r^y$ $b = R_z r(R_z^w + r^{yw})$ $N = R_z(R_0 + r)(R_z^w + r^{yw}) + R_0R_z^w r^y$

Mutter		Mutter	
dCCee	$a = 0, b = 0, c = 0, d = 0, f = 0$ $e = 1$ $N = 1$	dccee	$a = 0, b = 0, c = 0, d = 0, e = 0, f = 0, h = 0$ $g = 1$ $N = 1$
dCCEe	$b = 0, c = 0, d = 0, f = 0$ $a = R_0$ $e = R_2$ $N = R_0 + R_2$	dCcee	$a = 0, b = 0, c = 0, d = 0, f = 0, h = 0$ $e = R_2$ $g = R_z$ $N = R_2 + R_z$
dC^{w}Cee	$a = 0, b = 0, c = 0, d = 0, f = 0$ $e = 1$ $N = 1$	dccEe	$a = 0, b = 0, d = 0, e = 0, f = 0, h = 0$ $c = R_1$ $g = R_z$ $N = R_1 + R_z$
dC^{w}CEe	$b = 0, c = 0, d = 0, f = 0$ $a = R_0 r^y r'^w$ $e = R_2 r' r^{yw}$ $N = R_0 r^y r'^w + R_2 r' r^{yw}$	dCcEe	$b = 0, d = 0, f = 0, h = 0$ $a = R_0 r r^y$ $c = R_1 r' r''$ $e = R_2 r' r''$ $g = R_z r r^y$ $N = r r^y(R_0 + R_z) + r' r''(R_1 + R_2)$
dccEE	$a = 0, b = 0, d = 0, e = 0, f = 0$ $c = 1$ $N = 1$		

Tabelle 1. II (Fortsetzung)

Substituenten (g = 0, h = 0, i = 0, k = 0, l = 0, m = 0)			
Mutter		Mutter	
dCcEE	b = 0, d = 0, e = 0, f = 0 a = R_0 c = R_1 N = $R_0 + R_1$	dC^wcee	a = 0, b = 0, c = 0, d = 0, e = 0, f = 0, h = 0 g = 1 N = 1
dC^wcEE	a = 0, b = 0, d = 0, e = 0, f = 0 c = 1 N = 1	dC^wcEe	a = 0, b = 0, d = 0, e = 0, f = 0, h = 0 c = $R_1 r'' r'^w$ g = $R_z r r^{yw}$ N = $R_1 r'' r'^w + R_z r r^{yw}$
		dCCEE dC^wCEE	b = 0, c = 0, d = 0, e = 0, f = 0, g = 0, h = 0 a = 1 N = 1

Tabelle 1. II. Kind: DC^wcee

Mutter	Substituenten (c = 0, d = 0, e = 0, f = 0, g = 0, h = 0, l = 0, m = 0)
Dccee	a = 0 b = 0 i = $R_1^w(R_0 + r) + R_1^w r$ k = $r'^w(R_0 + r)$ N = $(R_0 + r)(R_1^w + r'^w) + R_1^w r$
DCcee	a = 0 b = 0 i = $R_0 R_1^w(R_1 + r') + R_1 R_1^w r$ k = $R_0 r'^w(R_1 + r')$ N = $R_0(R_1 + r')(R_1^w + r'^w)$
DccEe	a = 0 b = 0 i = $R_0 R_1^w(R_2 + r'') + R_2 R_1^w r$ k = $R_0 r'^w(R_2 + r'')$ N = $R_0(R_2 + r'')(R_1^w + r'^w) + R_2 R_1^w r$
DCcEe	a = 0 b = 0 i = $R_0 R_1^w(R_z + r^y) + R_z R_1^w r$ k = $R_0 r'^w(R_z + r^y)$ N = $R_0(R_z + r^y)(R_1^w + r'^w) + R_z R_1^w r$
DC^wcee	a = $R_0 R_1^w(R_0 + r) + R_0^2 r'^w$ b = $R_1^w r(R_0 + r)$ i = $R_0 R_1^w(R_1^w + r'^w) + R_1^{w2} r$ k = $R_0 r'^w(R_1^w + r'^w)$ N = $R_1^w(R_0 + r)^2 + R_0^2 r'^w + R_0(R_1^w + r'^w)^2 + R_1^{w2} r$
DC^wcEe	a = $R_0 R_1^w(R_2 + r'') + R_0 R_2 r'^w$ b = $R_1^w r(R_2 + r'')$ i = $R_0 R_1^w(R_z^w + r^{yw}) + R_1^w R_z^w r$ k = $R_0 r'^w(R_z^w + r^{yw})$ N = $R_1^w(R_0 + r)(R_2 + r'') + R_0 R_2 r'^w + R_0(R_1^w + r'^w)(R_z^w + r^{yw}) + R_1^w R_z^w r$

Tabelle 1. II (Fortsetzung)

Mutter	Substituenten (c = 0, d = 0, e = 0, f = 0, g = 0, h = 0, l = 0, m = 0)
DC^{w}Cee	$a = R_0R_1{}^{w}(R_1 + r' + R_1{}^{w} + r'^{w}) + R_0r'^{w}(R_1 + R_1{}^{w})$ $b = R_1{}^{w}r(R_1 + r' + R_1{}^{w} + r'^{w})$ $i = 0$ $k = 0$ $N = R_1{}^{w}(R_0 + r)(R_1 + r' + R_1{}^{w} + r'^{w}) + R_0r'^{w}(R_1 + R_1{}^{w})$
DC^{w}CEe	$a = R_0R_1{}^{w}(R_z + r^{y} + R_z{}^{w} + r^{yw}) + R_0r'^{w}(R_z + R_z{}^{w})$ $b = R_1{}^{w}r(R_z + r^{y} + R_z{}^{w} + r^{yw})$ $i = 0$ $k = 0$ $N = R_1{}^{w}(R_0 + r)(R_z + r^{y} + R_z{}^{w} + r^{yw}) + R_0r'^{w}(R_z + R_z{}^{w})$
dccee dCcee dccEe dCcEe	$a = 0, b = 0, k = 0$ $i = 1$ $N = 1$
dC^{w}cee	$b = 0, k = 0$ $a = R_0$ $i = R_1{}^{w}$ $N = R_0 + R_1{}^{w}$
dC^{w}cEe	$b = 0, k = 0$ $a = R_0r''r'^{w}$ $i = R_1{}^{w}rr^{yw}$ $N = R_0r''r'^{w} + R_1{}^{w}rr^{yw}$
dC^{w}Cee dC^{w}CEe	$b = 0, i = 0, k = 0$ $a = 1$ $N = 1$

Tabelle 1. II. Kind: DC^{w}cEe

Mutter	Substituenten (c = 0, d = 0, g = 0, h = 0)
Dccee	$a = 0, b = 0, e = 0, f = 0, i = 0, k = 0$ $l = R_z{}^{w}(R_0 + r) + R_z{}^{w}r$ $m = r^{yw}(R_0 + r)$ $N = (R_0 + r)(R_z{}^{w} + r^{yw}) + R_z{}^{w}r$
DCcee	$a = 0, b = 0, e = 0, f = 0, i = 0, k = 0$ $l = R_0R_z{}^{w}(R_1 + r') + R_1R_z{}^{w}r$ $m = R_0r^{yw}(R_1 + r')$ $N = R_0(R_1 + r')(R_z{}^{w} + r^{yw}) + R_1R_z{}^{w}r$
DccEe	$a = 0, b = 0, e = 0, f = 0$ $i = R_2R_1{}^{w}(R_0 + r) + R_0R_1{}^{w}r''$ $k = R_2r'^{w}(R_0 + r)$ $l = R_0R_z{}^{w}(R_2 + r'') + R_2R_z{}^{w}r$ $m = R_0r^{yw}(R_2 + r'')$ $N = R_2(R_0 + r)(R_1{}^{w} + r'^{w}) + R_0R_1{}^{w}r'' + R_0(R_2 + r'')(R_z{}^{w} + r^{yw}) + R_2R_z{}^{w}r$

Tabelle 1. II (Fortsetzung)

Mutter	Substituenten ($c = 0$, $d = 0$, $g = 0$, $h = 0$)
DCcEe	$a = 0,\ b = 0,\ e = 0,\ f = 0$ $i = R_2R_1{}^w(R_1 + r') + R_1R_1{}^wr''$ $k = R_2r'^w(R_1 + r')$ $l = R_0R_z{}^w(R_z + r^y) + R_zR_z{}^wr$ $m = R_0r^{yw}(R_z + r^y)$ $N = R_2(R_1 + r')(R_1{}^w + r'^w) + R_1R_1{}^wr'' + R_0(R_z + r^y)(R_z{}^w + r^{yw}) + R_zR_z{}^wr$
DC^{w}cee	$a = 0,\ b = 0,\ i = 0,\ k = 0$ $e = R_2R_1{}^w(R_0 + r) + R_0R_2r'^w$ $f = R_1{}^wr''(R_0 + r)$ $l = R_0R_z{}^w(R_1{}^w + r'^w) + R_1{}^wR_z{}^wr$ $m = R_0r^{yw}(R_1{}^w + r'^w)$ $N = R_1{}^w(R_0 + r)(R_2 + r'') + R_0R_2r'^w + R_0(R_1{}^w + r'^w)(R_z{}^w + r^{yw}) + R_1{}^wR_z{}^wr$
DC^{w}cEe	$a = R_0R_z{}^w(R_0 + r) + R_0{}^2r^{yw}$ $b = R_z{}^wr(R_0 + r)$ $e = R_2R_1{}^w(R_2 + r'') + R_2{}^2r'^w$ $f = R_1{}^wr''(R_2 + r'')$ $i = R_2R_1{}^w(R_1{}^w + r'^w) + R_1{}^{w2}r''$ $k = R_2r'^w(R_1{}^w + r'^w)$ $l = R_0R_z{}^w(R_z{}^w + r^{yw}) + R_z{}^{w2}r$ $m = R_0r^{yw}(R_z{}^w + r^{yw})$ $N = R_z{}^w(R_0 + r)^2 + R_0{}^2r^{yw} + R_1{}^w(R_2 + r'')^2 + R_2{}^2r'^w + R_2(R_1{}^w + r'^w)^2 + \ldots$ $\ldots + R_1{}^{w2}r'' + R_0(R_z{}^w + r^{yw})^2 + R_z{}^{w2}r$
DC^{w}Cee	$a = 0,\ b = 0,\ i = 0,\ k = 0,\ l = 0,\ m = 0$ $e = R_2R_1{}^w(R_1 + r' + R_1{}^w + r'^w) + R_2r'^w(R_1 + R_1{}^w)$ $f = R_1{}^wr''(R_1 + r' + R_1{}^w + r'^w)$ $N = R_1{}^w(R_2 + r'')(R_1 + r' + R_1{}^w + r'^w) + R_2r'^w(R_1 + R_1{}^w)$
DC^{w}CEe	$i = 0,\ k = 0,\ l = 0,\ m = 0$ $a = R_0R_z{}^w(R_1 + r' + R_1{}^w + r'^w) + R_0r^{yw}(R_1 + R_1{}^w)$ $b = R_z{}^wr(R_1 + r' + R_1{}^w + r'^w)$ $e = R_2R_1{}^w(R_z + r^y + R_z{}^w + r^{yw}) + R_2r'^w(R_z + R_z{}^w)$ $f = R_1{}^wr''(R_z + r^y + R_z{}^w + r^{yw})$ $N = R_z{}^w(R_0 + r)(R_1 + r' + R_1{}^w + r'^w) + R_0r^{yw}(R_1 + R_1{}^w) + \ldots$ $\ldots + R_1{}^w(R_2 + r'')(R_z + r^y + R_z{}^w + r^{yw}) + R_2r'^w(R_z + R_z{}^w)$
DccEE	$a = 0,\ b = 0,\ e = 0,\ f = 0,\ l = 0,\ m = 0$ $i = R_1{}^w(R_2 + r'') + R_1{}^wr''$ $k = r'^w(R_2 + r'')$ $N = (R_2 + r'')(R_1{}^w + r'^w) + R_1{}^wr''$
DCcEE	$a = 0,\ b = 0,\ e = 0,\ f = 0,\ l = 0,\ m = 0$ $i = R_2R_1{}^w(R_z + r^y) + R_zR_1{}^wr''$ $k = R_2r'^w(R_z + r^y)$ $N = R_2(R_z + r^y)(R_1{}^w + r'^w) + R_zR_1{}^wr''$
DC^{w}cEE	$e = 0,\ f = 0,\ l = 0,\ m = 0$ $a = R_0R_z{}^w(R_2 + r'') + R_0R_2r^{yw}$ $b = R_z{}^wr(R_2 + r'')$ $i = R_2R_1{}^w(R_z{}^w + r^{yw}) + R_1{}^wR_z{}^wr''$ $k = R_2r'^w(R_z{}^w + r^{yw})$ $N = R_z{}^w(R_0 + r)(R_2 + r'') + R_0R_2r^{yw} + R_2(R_1{}^w + r'^w)(R_z{}^w + r^{yw}) + R_1{}^wR_z{}^wr''$

Tabelle 1. II (Fortsetzung)

Mutter	Substituenten (c = 0, d = 0, g = 0, h = 0)
DC^wCEE	$e = 0, f = 0, i = 0, k = 0, l = 0, m = 0$ $a = R_0R_z{}^w(R_z + r^y + R_z{}^w + r^{yw}) + R_0r^{yw}(R_z + R_z{}^w)$ $b = R_z{}^wr(R_z + r^y + R_z{}^w + r^{yw})$ $N = R_z{}^w(R_0 + r)(R_z + r^y + R_z{}^w + r^{yw}) + R_0r^{yw}(R_z + R_z{}^w)$
dccee dCcee	$a = 0, b = 0, e = 0, f = 0, i = 0, k = 0, m = 0$ $l = 1$ $N = 1$
dccEe	$a = 0, b = 0, e = 0, f = 0, k = 0, m = 0$ $i = R_1{}^w$ $l = R_z{}^w$ $N = R_1{}^w + R_z{}^w$
dCcEe	$a = 0, b = 0, e = 0, f = 0, k = 0, m = 0$ $i = R_1{}^wr'r''$ $l = R_z{}^wrr^y$ $N = R_1{}^wr'r'' + R_z{}^wrr^y$
dC^wcee	$a = 0, b = 0, f = 0, i = 0, k = 0, m = 0$ $e = R_2$ $l = R_z{}^w$ $N = R_2 + R_z{}^w$
dC^wcEe	$b = 0, f = 0, k = 0, m = 0$ $a = R_0rr^{yw}$ $e = R_2r''r'^w$ $i = R_1{}^wr''r'^w$ $l = R_z{}^wrr^{yw}$ $N = rr^{yw}(R_0 + R_z{}^w) + r''r'^w(R_2 + R_1{}^w)$
dC^wCee	$a = 0, b = 0, f = 0, i = 0, k = 0, l = 0, m = 0$ $e = 1$ $N = 1$
dC^wCEe	$b = 0, f = 0, i = 0, k = 0, l = 0, m = 0$ $a = R_0r^{yw}(r' + r'^w)$ $e = R_2r'^w(r^y + r^{yw})$ $N = R_0r^{yw}(r' + r'^w) + R_2r'^w(r^y + r^{yw})$
dccEE dCcEE	$a = 0, b = 0, e = 0, f = 0, k = 0, l = 0, m = 0$ $i = 1$ $N = 1$
dC^wcEE	$b = 0, e = 0, f = 0, k = 0, l = 0, m = 0$ $a = R_0$ $i = R_1{}^w$ $N = R_0 + R_1{}^w$
dC^wCEE	$b = 0, e = 0, f = 0, i = 0, k = 0, l = 0, m = 0$ $a = 1$ $N = 1$

Tabelle 1. II. Kind: DCCee

Mutter	Substituenten ($a = 0, b = 0, e = 0, f = 0, g = 0, h = 0, i = 0, k = 0, l = 0, m = 0$)
DCcee	$c = R_1(R_0 + r) + R_0 r'$ $d = r'(R_0 + r)$ $N = (R_0 + r)(R_1 + r') + R_0 r'$
DCcEe	$c = R_1(R_2 + r'') + R_2 r'$ $d = r'(R_2 + r'')$ $N = (R_1 + r')(R_2 + r'') + R_2 r'$
DCCee	$c = R_1(R_1 + r') + R_1 r'$ $d = r'(R_1 + r')$ $N = (R_1 + r')^2 + R_1 r'$
DCCEe	$c = R_1(R_z + r^y) + R_z r'$ $d = r'(R_z + r^y)$ $N = (R_1 + r')(R_z + r^y) + R_z r'$
DC^{w}Cee	$c = R_1(R_1{}^w + r'^w) + R_1{}^w r'$ $d = r'(R_1{}^w + r'^w)$ $N = (R_1 + r')(R_1{}^w + r'^w) + R_1{}^w r'$
DC^{w}CEe	$c = R_1(R_z{}^w + r^{yw}) + R_z{}^w r'$ $d = r'(R_z{}^w + r^{yw})$ $N = (R_1 + r')(R_z{}^w + r^{yw}) + R_z{}^w r'$
dCcee dCcEe dCCee dCCEe dC^{w}Cee dC^{w}CEe	$c = 1$ $d = 0$ $N = 1$

Tabelle 1. II. Kind: DCCEe

Mutter	Substituenten ($a = 0, b = 0, e = 0, f = 0, i = 0, k = 0, l = 0, m = 0$)
DCcee	$c = 0$ $d = 0$ $g = R_1 R_z(R_0 + r) + R_0 R_z r'$ $h = R_1 r^y(R_0 + r)$ $N = R_1(R_0 + r)(R_z + r^y) + R_0 R_z r'$
DCcEe	$c = R_1 R_z(R_0 + r) + R_0 R_1 r^y$ $d = R_z r'(R_0 + r)$ $g = R_1 R_z(R_2 + r'') + R_2 R_z r'$ $h = R_1 r^y(R_2 + r'')$ $N = R_z(R_0 + r)(R_1 + r') + R_0 R_1 r^y + R_1(R_2 + r'')(R_z + r^y) + R_2 R_z r'$
DCCee	$c = 0$ $d = 0$ $g = R_z(R_1 + r') + R_z r'$ $h = r^y(R_1 + r')$ $N = (R_1 + r')(R_z + r^y) + R_z r'$

Tabelle 1. II (Fortsetzung)

Mutter	Substituenten (a = 0, b = 0, e = 0, f = 0, i = 0, k = 0, l = 0, m = 0)
DCCEe	$c = R_1R_z(R_1 + r') + R_1{}^2r^y$ $d = R_zr'(R_1 + r')$ $g = R_1R_z(R_z + r^y) + R_z{}^2r'$ $N = R_z(R_1 + r')^2 + R_1{}^2r^y + R_1(R_z + r^y)^2 + R_z{}^2r'$
DC^{w}Cee	$c = 0$ $d = 0$ $g = R_1R_z(R_1{}^w + r'^w) + R_zR_1{}^wr'$ $h = R_1r^y(R_1{}^w + r'^w)$ $N = R_1(R_z + r^y)(R_1{}^w + r'^w) + R_zR_1{}^wr'$
DC^{w}CEe	$c = R_1R_z(R_1{}^w + r'^w) + R_1R_1{}^wr^y$ $d = R_zr'(R_1{}^w + r'^w)$ $g = R_1R_z(R_z{}^w + r^{yw}) + R_zR_z{}^wr'$ $h = R_1r^y(R_z{}^w + r^{yw})$ $N = R_z(R_1 + r')(R_1{}^w + r'^w) + R_1R_1{}^wr^y + R_1(R_z + r^y)(R_z{}^w + r^{yw}) + R_zR_z{}^wr'$
DCcEE	$c = R_1R_z(R_2 + r'') + R_1R_2r^y$ $d = R_zr'(R_2 + r'')$ $g = 0$ $h = 0$ $N = R_z(R_1 + r')(R_2 + r'') + R_1R_2r^y$
DCCEE	$c = R_1(R_z + r^y) + R_1r^y$ $d = r'(R_z + r^y)$ $g = 0$ $h = 0$ $N = (R_1 + r')(R_z + r^y) + R_1r^y$
DC^{w}CEE	$c = R_1R_z(R_z{}^w + r^{yw}) + R_1R_z{}^wr^y$ $d = R_zr'(R_z{}^w + r^{yw})$ $g = 0$ $h = 0$ $N = R_z(R_1 + r')(R_z{}^w + r^{yw}) + R_1R_z{}^wr^y$
dCcee	$c = 0, d = 0, h = 0$ $g = 1$ $N = 1$
dCcEe	$d = 0, h = 0$ $c = R_1rr^y$ $g = R_zr'r''$ $N = R_1rr^y + R_zr'r''$

Mutter	
dCCee	$c = 0, d = 0, h = 0$ $g = 1$ $N = 1$
dCCEe	$d = 0, h = 0$ $c = R_1$ $g = R_z$ $N = R_1 + R_z$
dC^{w}Cee	$c = 0, d = 0, h = 0$ $g = 1$ $N = 1$
dC^{w}CEe	$d = 0, h = 0$ $c = R_1r^yr'^w$ $g = R_zr'r^{yw}$ $N = R_1r^yr'^w + R_zr'r^{yw}$
dCcEE dCCEE dC^{w}CEE	$d = 0, g = 0, h = 0$ $c = 1$ $N = 1$

Tabelle 1. II. Kind: DC^wCee

Mutter	Substituenten ($a = 0, b = 0, e = 0, f = 0, g = 0, h = 0, l = 0, m = 0$)
DCcee	$c = 0, d = 0$ $i = R_1R_1^w(R_0 + r) + R_0R_1^w r'$ $k = R_1 r'^w(R_0 + r)$ $N = R_1(R_0 + r)(R_1^w + r'^w) + R_0R_1^w r'$
DCcEe	$c = 0, d = 0$ $i = R_1R_1^w(R_2 + r'') + R_2R_1^w r'$ $k = R_1 r'^w(R_2 + r'')$ $N = R_1(R_2 + r'')(R_1^w + r'^w) + R_2R_1^w r'$
DC^wcee	$c = R_1R_1^w(R_0 + r) + R_0R_1 r'^w$ $d = R_1^w r'(R_0 + r)$ $i = R_1^{w2}(R_0 + r) + R_0R_1^w r'^w$ $k = R_1^w r'^w(R_0 + r)$ $N = R_1^w(R_0 + r)(R_1 + r' + R_1^w + r'^w) + R_0 r'^w(R_1 + R_1^w)$
DC^wcEe	$c = R_1R_1^w(R_2 + r'') + R_1R_2 r'^w$ $d = R_1^w r'(R_2 + r'')$ $i = R_1^{w2}(R_2 + r'') + R_2R_1^w r'^w$ $k = R_1^w r'^w(R_2 + r'')$ $N = R_1^w(R_2 + r'')(R_1 + r' + R_1^w + r'^w) + R_2 r'^w(R_1 + R_1^w)$
DCCee	$c = 0, d = 0$ $i = R_1^w(R_1 + r') + R_1^w r'$ $k = r'^w(R_1 + r')$ $N = (R_1 + r')(R_1^w + r'^w) + R_1^w r'$
DCCEe	$c = 0, d = 0$ $i = R_1R_1^w(R_z + r^y) + R_zR_1^w r'$ $k = R_1 r'^w(R_z + r^y)$ $N = R_1(R_z + r^y)(R_1^w + r'^w) + R_zR_1^w r'$
DC^wCee	$c = R_1R_1^w(R_1 + r' + R_1^w + r'^w) + R_1 r'^w(R_1 + R_1^w)$ $d = R_1^w r'(R_1 + r' + R_1^w + r'^w)$ $i = R_1R_1^w(R_1^w + r'^w) + R_1^{w2} r' + R_1^{w2}(R_1 + r' + R_1^w + r'^w) + \ldots$ $\ldots + R_1^w r'^w(R_1 + R_1^w)$ $k = R_1 r'^w(R_1^w + r'^w) + R_1^w r'^w(R_1 + r' + R_1^w + r'^w)$ $N = R_1(R_1^w + r'^w)^2 + R_1^{w2} r' + R_1^w(R_1 + r' + R_1^w + r'^w)^2 + r'^w(R_1 + R_1^w)$
DC^wCEe	$c = R_1R_1^w(R_z + r^y + R_z^w + r^{yw}) + R_1 r'^w(R_z + R_z^w)$ $d = R_1^w r'(R_z + r^y + R_z^w + r^{yw})$ $i = R_1R_1^w(R_z^w + r^{yw}) + R_1^w R_z^w r' + R_1^{w2}(R_z + r^y + R_z^w + r^{yw}) + \ldots$ $\ldots + R_1^w r'^w(R_z + R_z^w)$ $k = R_1 r'^w(R_z^w + r^{yw}) + R_1^w r'^w(R_z + r^y + R_z^w + r^{yw})$ $N = R_1(R_1^w + r'^w)(R_z^w + r^{yw}) + R_1^w R_z^w r' + \ldots$ $\ldots + R_1^w(R_1 + r' + R_1^w + r'^w)(R_z + r^y + R_z^w + r^{yw}) + \ldots$ $\ldots + r'^w(R_1 + R_1^w)(R_z + R_z^w)$
dCcee dCcEe	$c = 0, d = 0, k = 0$ $i = 1$ $N = 1$
dC^wcee dC^wcEe	$d = 0, k = 0$ $c = R_1$ $i = R_1^w$ $N = R_1 + R_1^w$

Tabelle 1. II (Fortsetzung)

Mutter	Substituenten (a = 0, b = 0, e = 0, f = 0, g = 0, h = 0, l = 0, m = 0)
dCCee dCCEe	c = 0, d = 0, k = 0 i = 1 N = 1
dC^{w}Cee	d = 0, k = 0 $c = R_1(r' + r'^{w})$ $i = R_1{}^{w}(r' + r'^{w}) + R_1{}^{w}r'$ $N = (R_1 + R_1{}^{w})(r' + r'^{w}) + R_1{}^{w}r'$
dC^{w}CEe	d = 0, k = 0 $c = R_1 r'^{w}(r^{y} + r^{yw})$ $i = R_1{}^{w}r'^{w}(r^{y} + r^{yw}) + R_1{}^{w}r'r^{yw}$ $N = r'^{w}(R_1 + R_1{}^{w})(r^{y} + r^{yw}) + R_1{}^{w}r'r^{yw}$

Tabelle 1. II. Kind: DC^{w}CEe

Mutter	Substituenten (a = 0, b = 0, e = 0, f = 0)
DCcee	c = 0, d = 0, g = 0, h = 0, i = 0, k = 0 $l = R_1R_z{}^{w}(R_0 + r) + R_0R_z{}^{w}r'$ $m = R_1r^{yw}(R_0 + r)$ $N = R_1(R_0 + r)(R_z{}^{w} + r^{yw}) + R_0R_z{}^{w}r'$
DCcEe	c = 0, d = 0, g = 0, h = 0 $i = R_zR_1{}^{w}(R_0 + r) + R_0R_1{}^{w}r^{y}$ $k = R_zr'^{w}(R_0 + r)$ $l = R_1R_z{}^{w}(R_2 + r'') + R_2R_z{}^{w}r'$ $m = R_1r^{yw}(R_2 + r'')$ $N = R_z(R_0 + r)(R_1{}^{w} + r'^{w}) + R_0R_1{}^{w}r^{y} + R_1(R_2 + r'')(R_z{}^{w} + r^{yw}) + R_2R_z{}^{w}r'$
DC^{w}cee	c = 0, d = 0, i = 0, k = 0 $g = R_zR_1{}^{w}(R_0 + r) + R_0R_zr'^{w}$ $h = R_1{}^{w}r^{y}(R_0 + r)$ $l = R_1{}^{w}R_z{}^{w}(R_0 + r) + R_0R_z{}^{w}r'^{w}$ $m = R_1{}^{w}r^{yw}(R_0 + r)$ $N = R_1{}^{w}(R_0 + r)(R_z + r^{y} + R_z{}^{w} + r^{yw}) + R_0r'^{w}(R_z + R_z{}^{w})$
DC^{w}cEe	$c = R_1R_z{}^{w}(R_0 + r) + R_0R_1r^{yw}$ $d = R_z{}^{w}r'(R_0 + r)$ $g = R_zR_1{}^{w}(R_2 + r'') + R_2R_zr'^{w}$ $h = R_1{}^{w}r^{y}(R_2 + r'')$ $i = R_1{}^{w}R_z{}^{w}(R_0 + r) + R_0R_1{}^{w}r^{yw}$ $k = R_z{}^{w}r'^{w}(R_0 + r)$ $l = R_1{}^{w}R_z{}^{w}(R_2 + r'') + R_2R_z{}^{w}r'^{w}$ $m = R_1{}^{w}r^{yw}(R_2 + r'')$ $N = R_z{}^{w}(R_0 + r)(R_1 + r' + R_1{}^{w} + r'^{w}) + R_0r^{yw}(R_1 + R_1{}^{w}) + \ldots$ $\ldots + R_1{}^{w}(R_2 + r'')(R_z + r^{y} + R_z{}^{w} + r^{yw}) + R_2r'^{w}(R_z + R_z{}^{w})$
DCCee	c = 0, d = 0, g = 0, h = 0, i = 0, k = 0 $l = R_z{}^{w}(R_1 + r') + R_z{}^{w}r'$ $m = r^{yw}(R_1 + r')$ $N = (R_1 + r')(R_z{}^{w} + r^{yw}) + R_z{}^{w}r'$

Tabelle 1. II (Fortsetzung)

Mutter	Substituenten (a = 0, b = 0, e = 0, f = 0)
DCCEe	$c = 0,\ d = 0,\ g = 0,\ h = 0$ $i = R_z R_1{}^w (R_1 + r') + R_1 R_1{}^w r^y$ $k = R_z r'^w (R_1 + r')$ $l = R_1 R_z{}^w (R_z + r^y) + R_z R_z{}^w r'$ $m = R_1 r^{yw} (R_z + r^y)$ $N = R_z (R_1 + r')(R_1{}^w + r'^w) + R_1 R_1{}^w r^y + R_1 (R_z + r^y)(R_z{}^w + r^{yw}) + R_z R_z{}^w r'$
DCwCee	$c = 0,\ d = 0,\ i = 0,\ k = 0$ $g = R_z R_1{}^w (R_1 + r' + R_1{}^w + r'^w) + R_z r'^w (R_1 + R_1{}^w)$ $h = R_1{}^w r^y (R_1 + r' + R_1{}^w + r'^w)$ $l = R_1 R_z{}^w (R_1{}^w + r'^w) + R_1{}^w R_z{}^w r' + R_1{}^w R_z{}^w (R_1 + r' + R_1{}^w + r'^w) + \dots$ $\dots + R_z{}^w r'^w (R_1 + R_1{}^w)$ $m = R_1 r^{yw} (R_1{}^w + r'^w) + R_1{}^w r^{yw} (R_1 + r' + R_1{}^w + r'^w)$ $N = R_1{}^w (R_1 + r' + R_1{}^w + r'^w)(R_z + r^y + R_z{}^w + r^{yw}) + \dots$ $\dots + r'^w (R_1 + R_1{}^w)(R_z + R_z{}^w) + R_1 (R_1{}^w + r'^w)(R_z{}^w + r^{yw}) + R_1{}^w R_z{}^w r'$
DCwCEe	$c = R_1 R_z{}^w (R_1 + r' + R_1{}^w + r'^w) + R_1 r^{yw} (R_1 + R_1{}^w)$ $d = R_z{}^w r' (R_1 + r' + R_1{}^w + r'^w)$ $g = R_z R_1{}^w (R_z + r^y + R_z{}^w + r^{yw}) + R_z r'^w (R_z + R_z{}^w)$ $h = R_1{}^w r^y (R_z + r^y + R_z{}^w + r^{yw})$ $i = R_z R_1{}^w (R_1{}^w + r'^w) + R_1{}^{w2} r^y + R_1{}^w R_z{}^w (R_1 + r' + R_1{}^w + r'^w) + \dots$ $\dots + R_1{}^w r^{yw} (R_1 + R_1{}^w)$ $k = R_z r'^w (R_1{}^w + r'^w) + R_1{}^w r'^w (R_1 + r' + R_1{}^w + r'^w)$ $l = R_1 R_z{}^w (R_z{}^w + r^{yw}) + R_z{}^{w2} r' + R_1{}^w R_z{}^w (R_z + r^y + R_z{}^w + r^{yw}) + \dots$ $\dots + R_z{}^w r'^w (R_z + R_z{}^w)$ $m = R_1 r^{yw} (R_z{}^w + r^{yw}) + R_1{}^w r^{yw} (R_z + r^y + R_z{}^w + r^{yw})$ $N = R_z{}^w (R_1 + r' + R_1{}^w + r'^w)^2 + r^{yw} (R_1 + R_1{}^w)^2 + \dots$ $\dots + R_1{}^w (R_z + r^y + R_z{}^w + r^{yw})^2 + r'^w (R_z + R_z{}^w)^2 + \dots$ $\dots + R_z (R_1{}^w + r'^w)^2 + R_1{}^{w2} r^y + R_1 (R_z{}^w + r^{yw})^2 + R_z{}^{w2} r'$
DCcEE	$c = 0,\ d = 0,\ g = 0,\ h = 0,\ l = 0,\ m = 0$ $i = R_z R_1{}^w (R_2 + r'') + R_2 R_1{}^w r^y$ $k = R_z r'^w (R_2 + r'')$ $N = R_z (R_2 + r'')(R_1{}^w + r'^w) + R_2 R_1{}^w r^y$
DCwcEE	$g = 0,\ h = 0,\ l = 0,\ m = 0$ $c = R_1 R_z{}^w (R_2 + r'') + R_1 R_2 r^{yw}$ $d = R_z{}^w r' (R_2 + r'')$ $i = R_1{}^w R_z{}^w (R_2 + r'') + R_2 R_1{}^w r^{yw}$ $k = R_z{}^w r'^w (R_2 + r'')$ $N = R_z{}^w (R_2 + r'')(R_1 + r' + R_1{}^w + r'^w) + R_2 r^{yw} (R_1 + R_1{}^w)$
DCCEE	$c = 0,\ d = 0,\ g = 0,\ h = 0,\ l = 0,\ m = 0$ $i = R_1{}^w (R_z + r^y) + R_1{}^w r^y$ $k = r'^w (R_z + r^y)$ $N = (R_z + r^y)(R_1{}^w + r'^w) + R_1{}^w r^y$
DCwCEE	$g = 0,\ h = 0,\ l = 0,\ m = 0$ $c = R_1 R_z{}^w (R_z + r^y + R_z{}^w + r^{yw}) + R_1 r^{yw} (R_z + R_z{}^w)$ $d = R_z{}^w r' (R_z + r^y + R_z{}^w + r^{yw})$ $i = R_z R_1{}^w (R_z{}^w + r^{yw}) + R_1{}^w R_z{}^w r^y + R_1{}^w R_z{}^w (R_z + r^y + R_z{}^w + r^{yw}) + \dots$ $\dots + R_1{}^w r^{yw} (R_z + R_z{}^w)$ $k = R_z r'^w (R_z{}^w + r^{yw}) + R_z{}^w r'^w (R_z + r^y + R_z{}^w + r^{yw})$ $N = R_z{}^w (R_1 + r' + R_1{}^w + r'^w)(R_z + r^y + R_z{}^w + r^{yw}) + \dots$ $\dots + r^{yw} (R_1 + R_1{}^w)(R_z + R_z{}^w) + R_z (R_1{}^w + r'^w)(R_z{}^w + r^{yw}) + R_1{}^w R_z{}^w r^y$

Tabelle 1. II (Fortsetzung)

Mutter	Substituenten (a = 0, b = 0, d = 0, e = 0, f = 0, h = 0 k = 0, m = 0)
dCcee	$c = 0,\ g = 0,\ i = 0$ $l = 1$ $N = 1$
dCcEe	$c = 0,\ g = 0$ $i = R_1{}^w r r^y$ $l = R_z{}^w r' r''$ $N = R_1{}^w r r^y + R_z{}^w r' r''$
dC^{w}cee	$c = 0,\ i = 0$ $g = R_z$ $l = R_z{}^w$ $N = R_z + R_z{}^w$
dC^{w}cEe	$c = R_1 r r^{yw}$ $g = R_z r'' r'^w$ $i = R_1{}^w r r^{yw}$ $l = R_z{}^w r'' r'^w$ $N = r r^{yw}(R_1 + R_1{}^w) + \ldots$ $\ldots + r'' r'^w (R_z + R_z{}^w)$
dCCee	$c = 0,\ g = 0,\ i = 0$ $l = 1$ $N = 1$
dCCEe	$c = 0,\ g = 0$ $i = R_1{}^w$ $l = R_z{}^w$ $N = R_1{}^w + R_z{}^w$
dC^{w}Cee	$c = 0,\ i = 0$ $g = R_z r'^w (r' + r'^w)$ $l = R_z{}^w r'^w (r' + r'^w) + R_z{}^w r' r'^w$ $N = r'^w (R_z + R_z{}^w)(r' + r'^w) + R_z{}^w r' r'^w$
dC^{w}CEe	$c = R_1 r^{yw}(r' + r'^w)$ $g = R_z r'^w (r^y + r^{yw})$ $i = R_1{}^w r^y r'^w + R_1{}^w r^{yw}(r' + r'^w)$ $l = R_z{}^w r'^w (r^y + r^{yw})$ $N = r^{yw}(R_1 + R_1{}^w)(r' + r'^w) + r'^w (R_z + R_z{}^w)(r^y + r^{yw}) + R_1{}^w r^y r'^w$

Mutter	
dCcEE	$c = 0,\ g = 0,\ l = 0$ $i = 1$ $N = 1$
dC^{w}cEE	$g = 0,\ l = 0$ $c = R_1$ $i = R_1{}^w$ $N = R_1 + R_1{}^w$
dCCEE	$c = 0,\ g = 0,\ l = 0$ $i = 1$ $N = 1$
dC^{w}CEE	$g = 0,\ l = 0$ $c = R_1 r^{yw}(r^y + r^{yw})$ $i = R_1{}^w r^{yw}(r^y + r^{yw}) + R_1{}^w r^y r^{yw}$ $N = r^{yw}(R_1 + R_1{}^w)(r^y + r^{yw}) + \ldots$ $\ldots + R_1{}^w r^y r^{yw}$

Tabelle 1. II. Kind: DccEE

Mutter	Substituenten ($a = 0, b = 0, c = 0, d = 0, g = 0, h = 0, i = 0, k = 0, l = 0, m = 0$)
DccEe	$e = R_2(R_0 + r) + R_0 r''$ $f = r''(R_0 + r)$ $N = (R_0 + r)(R_2 + r'') + R_0 r''$
DCcEe	$e = R_2(R_1 + r') + R_1 r''$ $f = r''(R_1 + r')$ $N = (R_1 + r')(R_2 + r'') + R_1 r''$
DC^{w}cEe	$e = R_2(R_1{}^w + r'^w) + R_1{}^w r''$ $f = r''(R_1{}^w + r'^w)$ $N = (R_2 + r'')(R_1{}^w + r'^w) + R_1{}^w r''$
DccEE	$e = R_2(R_2 + r'') + R_2 r''$ $f = r''(R_2 + r'')$ $N = (R_2 + r'')^2 + R_2 r''$
DCcEE	$e = R_2(R_z + r^y) + R_z r''$ $f = r''(R_z + r^y)$ $N = (R_2 + r'')(R_z + r^y) + R_z r''$
DC^{w}cEE	$e = R_2(R_z{}^w + r^{yw}) + R_z{}^w r''$ $f = r''(R_z{}^w + r^{yw})$ $N = (R_2 + r'')(R_z{}^w + r^{yw}) + R_z{}^w r''$
dccEe dCcEe dC^{w}cEe dccEE dCcEE dC^{w}cEE	$e = 1$ $f = 0$ $N = 1$

Tabelle 1. II. Kind: DCcEE

Mutter	Substituenten ($a = 0, b = 0, c = 0, d = 0, i = 0, k = 0, l = 0, m = 0$)
DccEe	$e = 0$ $f = 0$ $g = R_2 R_z(R_0 + r) + R_0 R_z r''$ $h = R_2 r^y(R_0 + r)$ $N = R_2(R_0 + r)(R_z + r^y) + R_0 R_z r''$
DCcEe	$e = R_2 R_z(R_0 + r) + R_0 R_2 r^y$ $f = R_z r''(R_0 + r)$ $g = R_2 R_z(R_1 + r') + R_1 R_z r''$ $h = R_2 r^y(R_1 + r')$ $N = R_z(R_0 + r)(R_2 + r'') + R_0 R_2 r^y + R_2(R_1 + r')(R_z + r^y) + R_1 R_z r''$
DC^{w}cEe	$e = 0$ $f = 0$ $g = R_2 R_z(R_1{}^w + r'^w) + R_z R_1{}^w r''$ $h = R_2 r^y(R_1{}^w + r'^w)$ $N = R_2(R_z + r^y)(R_1{}^w + r'^w) + R_z R_1{}^w r''$

Tabelle 1. II (Fortsetzung)

Mutter	Substituenten (a = 0, b = 0, c = 0, d = 0, i = 0, k = 0, l = 0, m = 0)
DCCEe	$e = R_2R_Z(R_1 + r') + R_1R_2r^y$ $f = R_Zr''(R_1 + r')$ $g = 0$ $h = 0$ $N = R_Z(R_1 + r')(R_2 + r'') + R_1R_2r^y$
DC^{w}CEe	$e = R_2R_Z(R_1{}^w + r'^w) + R_2R_1{}^wr^y$ $f = R_Zr''(R_1{}^w + r'^w)$ $g = 0$ $h = 0$ $N = R_Z(R_2 + r'')(R_1{}^w + r'^w) + R_2R_1{}^wr^y$
DccEE	$e = 0$ $f = 0$ $g = R_Z(R_2 + r'') + R_Zr''$ $h = r^y(R_2 + r'')$ $N = (R_2 + r'')(R_Z + r^y) + R_Zr''$
DCcEE	$e = R_2R_Z(R_2 + r'') + R_2{}^2r^y$ $f = R_Zr''(R_2 + r'')$ $g = R_2R_Z(R_Z + r^y) + R_Z{}^2r''$ $h = R_2r^y(R_Z + r^y)$ $N = R_Z(R_2 + r'')^2 + R_2{}^2r^y + \ldots$ $\ldots + R_2(R_Z + r^y)^2 + R_Z{}^2r''$
DC^{w}cEE	$e = 0$ $f = 0$ $g = R_2R_Z(R_Z{}^w + r^{yw}) + R_ZR_Z{}^wr''$ $h = R_2r^y(R_Z{}^w + r^{yw})$ $N = R_2(R_Z + r^y)(R_Z{}^w + r^{yw})$
DCCEE	$e = R_2(R_Z + r^y) + R_2r^y$ $f = r''(R_Z + r^y)$ $g = 0$ $h = 0$ $N = (R_2 + r'')(R_Z + r^y) + R_2r^y$
DC^{w}CEE	$e = R_2R_Z(R_Z{}^w + r^{yw}) + R_2R_Z{}^wr^y$ $f = R_Zr''(R_Z{}^w + r^{yw})$ $g = 0$ $h = 0$ $N = R_Z(R_2 + r'')(R_Z{}^w + r^{yw}) + R_2R_Z{}^wr^y$

Mutter	
dccEe	$e = 0, f = 0, h = 0$ $g = 1$ $N = 1$
dCcEe	$f = 0, h = 0$ $e = R_2rr^y$ $g = R_Zr'r''$ $N = R_2rr^y + R_Zr'r''$
dC^{w}cEe	$e = 0, f = 0, h = 0$ $g = 1$ $N = 1$
dCCEe dC^{w}CEe	$f = 0, g = 0, h = 0$ $e = 1$ $N = 1$
dccEE	$e = 0, f = 0, h = 0$ $g = 1$ $N = 1$
dCcEE	$f = 0, h = 0$ $e = R_2$ $g = R_Z$ $N = R_2 + R_Z$
dC^{w}cEE	$e = 0, f = 0, h = 0$ $g = 1$ $N = 1$
dCCEE dC^{w}CEE	$f = 0, g = 0, h = 0$ $e = 1$ $N = 1$

Tabelle 1. II. Kind: $DC^{w}cEE$

Mutter	Substituenten ($a = 0, b = 0, c = 0, d = 0, g = 0, h = 0, i = 0, k = 0$)
DccEe	$e = 0, f = 0$ $l = R_2 R_z{}^w (R_0 + r) + R_0 R_z{}^w r''$ $m = R_2 r^{yw} (R_0 + r)$ $N = R_2 (R_0 + r)(R_z{}^w + r^{yw}) + R_0 R_z{}^w r''$
DCcEe	$e = 0, f = 0$ $l = R_2 R_z{}^w (R_1 + r') + R_1 R_z{}^w r''$ $m = R_2 r^{yw} (R_1 + r')$ $N = R_2 (R_1 + r')(R_z{}^w + r^{yw}) + R_1 R_z{}^w r''$
$DC^{w}cEe$	$e = R_2 R_z{}^w (R_0 + r) + R_0 R_2 r^{yw}$ $f = R_z{}^w r'' (R_0 + r)$ $l = R_2 R_z{}^w (R_1{}^w + r'^w) + R_1{}^w R_z{}^w r''$ $m = R_2 r^{yw} (R_1{}^w + r'^w)$ $N = R_z{}^w (R_0 + r)(R_2 + r'') + R_0 R_2 r^{yw} + R_2 (R_1{}^w + r'^w)(R_z{}^w + r^{yw}) + R_1{}^w R_z{}^w r''$
$DC^{w}CEe$	$l = 0, m = 0$ $e = R_2 R_z{}^w (R_1 + r' + R_1{}^w + r'^w) + R_2 r^{yw} (R_1 + R_1{}^w)$ $f = R_z{}^w r'' (R_1 + r' + R_1{}^w + r'^w)$ $N = R_z{}^w (R_2 + r'')(R_1 + r' + R_1{}^w + r'^w) + R_2 r^{yw} (R_1 + R_1{}^w)$
DccEE	$e = 0, f = 0$ $l = R_z{}^w (R_2 + r'') + R_z{}^w r''$ $m = r^{yw} (R_2 + r'')$ $N = (R_2 + r'')(R_z{}^w + r^{yw}) + R_z{}^w r''$
DCcEE	$e = 0, f = 0$ $l = R_2 R_z{}^w (R_z + r^y) + R_z R_z{}^w r''$ $m = R_2 r^{yw} (R_z + r^y)$ $N = R_2 (R_z + r^y)(R_z{}^w + r^{yw}) + R_z R_z{}^w r''$
$DC^{w}cEE$	$e = R_2 R_z{}^w (R_2 + r'') + R_2{}^2 r^{yw}$ $f = R_z{}^w r'' (R_2 + r'')$ $l = R_2 R_z{}^w (R_z{}^w + r^{yw}) + R_z{}^{w2} r''$ $m = R_2 r^{yw} (R_z{}^w + r^{yw})$ $N = R_z{}^w (R_2 + r'')^2 + R_2{}^2 r^{yw} + R_2 (R_z{}^w + r^{yw})^2 + R_z{}^{w2} r''$
$DC^{w}CEE$	$l = 0, m = 0$ $e = R_2 R_z{}^w (R_z + r^y + R_z{}^w + r^{yw}) + R_2 r^{yw} (R_z + R_z{}^w)$ $f = R_z{}^w r'' (R_z + r^y + R_z{}^w + r^{yw})$ $N = R_z{}^w (R_2 + r'')(R_z + r^y + R_z{}^w + r^{yw}) + R_2 r^{yw} (R_z + R_z{}^w)$
dccEe dCcEe	$e = 0, f = 0, m = 0$ $l = 1$ $N = 1$
$dC^{w}cEe$	$f = 0, m = 0$ $e = R_2 r r^{yw}$ $l = R_z{}^w r'' r'^w$ $N = R_2 r r^{yw} + R_z{}^w r'' r'^w$
$dC^{w}CEe$	$f = 0, l = 0, m = 0$ $e = 1$ $N = 1$
dccEE dCcEE	$e = 0, f = 0, m = 0$ $l = 1$ $N = 1$

Tabelle 1. II (Fortsetzung)

Mutter	Substituenten (a = 0, b = 0, c = 0, d = 0, g = 0, h = 0, i = 0, k = 0)
dC^wcEE	f = 0, m = 0 e = R_2 l = $R_z{}^w$ N = $R_2 + R_z{}^w$
dC^wCEE	f = 0, l = 0, m = 0 e = 1 N = 1

Tabelle 1. II. Kind: DCCEE

Mutter	Substituenten (a = 0, b = 0, c = 0, d = 0, e = 0, f = 0, i = 0, k = 0, l = 0, m = 0)
DCcEe	$g = R_z(R_0 + r) + R_0 r^y$ $h = r^y(R_0 + r)$ $N = (R_0 + r)(R_z + r^y) + R_0 r^y$
DCCEe	$g = R_z(R_1 + r') + R_1 r^y$ $h = r^y(R_1 + r')$ $N = (R_1 + r')(R_z + r^y) + R_1 r^y$
DC^wCEe	$g = R_z(R_1{}^w + r'^w) + R_1{}^w r^y$ $h = r^y(R_1{}^w + r'^w)$ $N = (R_z + r^y)(R_1{}^w + r'^w) + R_1{}^w r^y$
DCcEE	$g = R_z(R_2 + r'') + R_2 r^y$ $h = r^y(R_2 + r'')$ $N = (R_2 + r'')(R_z + r^y) + R_2 r^y$
DCCEE	$g = R_z(R_z + r^y) + R_z r^y$ $h = r^y(R_z + r^y)$ $N = (R_z + r^y)^2 + R_z r^y$
DC^wCEE	$g = R_z(R_z{}^w + r^{yw}) + R_z{}^w r^y$ $h = r^y(R_z{}^w + r^{yw})$ $N = (R_z + r^y)(R_z{}^w + r^{yw}) + R_z{}^w r^y$
dCcEe dCCEe dC^wCEe dCcEE dCCEE dC^wCEE	g = 1 h = 0 N = 1

Tabelle 1. II. Kind: DC^wCEE

Mutter	Substituenten (a = 0, b = 0, c = 0, d = 0, e = 0, f = 0, i = 0, k = 0)
$\hat{D}CcEe$	g = 0, h = 0 $l = R_z R_z{}^w(R_0 + r) + R_0 R_z{}^w r^y$ $m = R_z r^{yw}(R_0 + r)$ $N = R_z(R_0 + r)(R_z{}^w + r^{yw}) + R_0 R_z{}^w r^y$
DC^wcEe	$g = R_z R_z{}^w(R_0 + r) + R_0 R_z r^{yw}$ $h = R_z{}^w r^y(R_0 + r)$ $l = R_z{}^{w2}(R_0 + r) + R_0 R_z{}^w r^{yw}$ $m = R_z{}^w r^{yw}(R_0 + r)$ $N = R_z{}^w(R_0 + r)(R_z + r^y + R_z{}^w + r^{yw}) + R_0 r^{yw}(R_z + R_z{}^w)$

Tabelle 1. II (Fortsetzung)

Mutter	Substituenten (a = 0, b = 0, c = 0, d = 0, e = 0, f = 0, i = 0, k = 0)
DCCEe	$g = 0,\ h = 0$ $l = R_z R_z{}^w (R_1 + r') + R_1 R_z{}^w r^y$ $m = R_z r^{yw} (R_1 + r')$ $N = R_z (R_1 + r')(R_z{}^w + r^{yw}) + R_1 R_z{}^w r^y$
DC^{w}CEe	$g = R_z R_z{}^w (R_1 + r' + R_1{}^w + r'^w) + R_z r^{yw} (R_1 + R_1{}^w)$ $h = R_z{}^w r^y (R_1 + r' + R_1{}^w + r'^w)$ $l = R_z R_z{}^w (R_1{}^w + r'^w) + R_1{}^w R_z{}^w r^y + R_z{}^{w2} (R_1 + r' + R_1{}^w + r'^w) + \ldots$ $\ldots + R_z{}^w r^{yw} (R_1 + R_1{}^w)$ $m = R_z r^{yw} (R_1{}^w + r'^w) + R_z{}^w r^{yw} (R_1 + r' + R_1{}^w + r'^w)$ $N = R_z{}^w (R_1 + r' + R_1{}^w + r'^w)(R_z + r^y + R_z{}^w + r^{yw}) + \ldots$ $\ldots + r^{yw} (R_1 + R_1{}^w)(R_z + R_z{}^w) + R_z (R_1{}^w + r'^w)(R_z{}^w + r^{yw}) + R_1{}^w R_z{}^w r^y$
DCcEE	$g = 0,\ h = 0$ $l = R_z R_z{}^w (R_2 + r'') + R_2 R_z{}^w r^y$ $m = R_z r^{yw} (R_2 + r'')$ $N = R_z (R_2 + r'')(R_z{}^w + r^{yw}) + R_2 R_z{}^w r^y$
DC^{w}cEE	$g = R_z R_z{}^w (R_2 + r'') + R_2 R_z r^{yw}$ $h = R_z{}^w r^y (R_2 + r'')$ $l = R_z{}^{w2} (R_2 + r'') + R_2 R_z{}^w r^{yw}$ $m = R_z{}^w r^{yw} (R_2 + r'')$ $N = R_z{}^w (R_2 + r'')(R_z + r^y + R_z{}^w + r^{yw}) + R_2 r^{yw} (R_z + R_z{}^w)$
DCCEE	$g = 0,\ h = 0$ $l = R_z{}^w (R_z + r^y) + R_z{}^w r^y$ $m = r^{yw} (R_z + r^y)$ $N = (R_z + r^y)(R_z{}^w + r^{yw}) + R_z{}^w r^y$
DC^{w}CEE	$g = R_z R_z{}^w (R_z + r^y + R_z{}^w + r^{yw}) + R_z r^{yw} (R_z + R_z{}^w)$ $h = R_z{}^w r^y (R_z + r^y + R_z{}^w + r^{yw})$ $l = R_z R_z{}^w (R_z{}^w + r^{yw}) + R_z{}^{w2} r^y + R_z{}^{w2} (R_z + r^y + R_z{}^w + r^{yw}) + \ldots$ $\ldots + R_z{}^w r^{yw} (R_z + R_z{}^w)$ $m = R_z r^{yw} (R_z{}^w + r^{yw}) + R_z{}^w r^{yw} (R_z + r^y + R_z{}^w + r^{yw})$ $N = R_z{}^w (R_z + r^y + R_z{}^w + r^{yw})^2 + r^{yw} (R_z + R_z{}^w)^2 + R_z (R_z{}^w + r^{yw})^2 + R_z{}^{w2} r^y$
dCcEe	$g = 0,\ h = 0,\ m = 0$ $l = 1$ $N = 1$
dC^{w}cEe	$h = 0,\ m = 0$ $g = R_z$ $l = R_z{}^w$ $N = R_z + R_z{}^w$
dCCEe	$g = 0,\ h = 0,\ m = 0$ $l = 1$ $N = 1$
dC^{w}CEe	$h = 0,\ m = 0$ $g = R_z r^{yw} (r' + r'^w)$ $l = R_z{}^w r^{yw} (r' + r'^w) + R_z{}^w r^y r'^w$ $N = r^{yw} (R_z + R_z{}^w)(r' + r'^w) + R_z{}^w r^y r'^w$
dCcEE	$g = 0,\ h = 0,\ m = 0$ $l = 1$ $N = 1$

Mutter	
dC^{w}cEE	$h = 0,\ m = 0$ $g = R_z$ $l = R_z{}^w$ $N = R_z + R_z{}^w$
dCCEE	$g = 0,\ h = 0,\ m = 0$ $l = 1$ $N = 1$
dC^{w}CEE	$h = 0,\ m = 0$ $g = R_z r^{yw} (r^y + r^{yw})$ $l = R_z{}^w r^{yw} (r^y + r^{yw}) + R_z{}^w r^y r^{yw}$ $N = r^{yw} (R_z + R_z{}^w)(r^y + r^{yw}) + R_z{}^w r^y r^{yw}$

Tabelle 1. II. Kind: dccee

Mutter	Substituenten (a = 0, c = 0, d = 0, e = 0, f = 0, g = 0, h = 0, i = 0, k = 0, l = 0, m = 0)	
Dccee	dccee	b = 1
DCcee	dCcee	N = 1
DccEe	dccEe	
DCcEe	dCcEe	
$DC^{w}cee$	$dC^{w}cee$	
$DC^{w}cEe$	$dC^{w}cEe$	

Tabelle 1. II. Kind: dCcee

Mutter	Substituenten (a = 0, c = 0, e = 0, f = 0, g = 0, h = 0, i = 0, k = 0, l = 0, m = 0)		
Dccee	b = 0	d = 1	N = 1
DCcee	$b = R_0$	$d = R_1$	$N = R_0 + R_1$
DccEe	b = 0	d = 1	N = 1
DCcEe	$b = R_2$	$d = R_z$	$N = R_2 + R_z$
$DC^{w}cee$	b = 0	d = 1	N = 1
$DC^{w}cEe$	b = 0	d = 1	N = 1
DCCee	b = 1	d = 0	N = 1
DCCEe	b = 1	d = 0	N = 1
$DC^{w}Cee$	b = 1	d = 0	N = 1
$DC^{w}CEe$	b = 1	d = 0	N = 1
dccee	b = 0	d = 1	N = 1
dCcee	b = r	d = r′	N = r + r′
dccEe	b = 0	d = 1	N = 1
dCcEe	b = r″	$d = r^{y}$	$N = r'' + r^{y}$
$dC^{w}cee$	b = 0	d = 1	N = 1
$dC^{w}cEe$	b = 0	d = 1	N = 1
dCCee	b = 1	d = 0	N = 1
dCCEe	b = 1	d = 0	N = 1
$dC^{w}Cee$	b = 1	d = 0	N = 1
$dC^{w}CEe$	b = 1	d = 0	N = 1

Tabelle 1. II. Kind: dccEe

Mutter	Substituenten (a = 0, c = 0, d = 0, e = 0, g = 0, h = 0, i = 0, k = 0, l = 0, m = 0)		
Dccee	$b = 0$	$f = 1$	$N = 1$
DCcee	$b = 0$	$f = 1$	$N = 1$
DccEe	$b = R_0$	$f = R_2$	$N = R_0 + R_2$
DCcEe	$b = R_1$	$f = R_z$	$N = R_1 + R_z$
DC^{w}cee	$b = 0$	$f = 1$	$N = 1$
DC^{w}cEe	$b = R_1{}^w$	$f = R_z{}^w$	$N = R_1{}^w + R_z{}^w$
DccEE	$b = 1$	$f = 0$	$N = 1$
DCcEE	$b = 1$	$f = 0$	$N = 1$
DC^{w}cEE	$b = 1$	$f = 0$	$N = 1$
dccee	$b = 0$	$f = 1$	$N = 1$
dCcee	$b = 0$	$f = 1$	$N = 1$
dccEe	$b = r$	$f = r''$	$N = r + r''$
dCcEe	$b = r'$	$f = r^y$	$N = r' + r^y$
dC^{w}cee	$b = 0$	$f = 1$	$N = 1$
dC^{w}cEe	$b = r'^w$	$f = r^{yw}$	$N = r'^w + r^{yw}$
dccEE	$b = 1$	$f = 0$	$N = 1$
dCcEE	$b = 1$	$f = 0$	$N = 1$
dC^{w}cEE	$b = 1$	$f = 0$	$N = 1$

Tabelle 1. II. Kind: dCcEe

Mutter	Substituenten (a = 0, c = 0, e = 0, g = 0, i = 0, k = 0, l = 0, m = 0)			
Dccee	$b = 0$	$d = 0$	$f = 0$	$h = 1$
	$N = 1$			
DCcee	$b = 0$	$d = 0$	$f = R_0 r' r''$	$h = R_1 r r^y$
	$N = R_0 r' r'' + R_1 r r^y$			
DccEe	$b = 0$	$d = R_0 r' r''$	$f = 0$	$h = R_2 r r^y$
	$N = R_0 r' r'' + R_2 r r^y$			
DCcEe	$b = R_0 r r^y$	$d = R_1 r' r''$	$f = R_2 r' r''$	$h = R_z r r^y$
	$N = r r^y (R_0 + R_z) + r' r'' (R_1 + R_2)$			
DC^{w}cee	$b = 0$	$d = 0$	$f = 0$	$h = 1$
	$N = 1$			
DC^{w}cEe	$b = 0$	$d = R_1{}^w r' r''$	$f = 0$	$h = R_z{}^w r r^y$
	$N = R_1{}^w r' r'' + R_z{}^w r r^y$			
DCCee	$b = 0$	$d = 0$	$f = 1$	$h = 0$
	$N = 1$			
DCCEe	$b = R_1 r r^y$	$d = 0$	$f = R_z r' r''$	$h = 0$
	$N = R_1 r r^y + R_z r' r''$			
DC^{w}Cee	$b = 0$	$d = 0$	$f = 1$	$h = 0$
	$N = 1$			

Tabelle 1. II (Fortsetzung)

Mutter	Substituenten (a = 0, c = 0, e = 0, g = 0, i = 0, k = 0, l = 0, m = 0)			
DC^{w}CEe	b = $R_1{}^{w}rr^{y}$	d = 0	f = $R_z{}^{w}r'r''$	h = 0
	N = $R_1{}^{w}rr^{y} + R_z{}^{w}r'r''$			
DccEE	b = 0	d = 1	f = 0	h = 0
	N = 1			
DCcEE	b = R_2rr^{y}	d = $R_zr'r''$	f = 0	h = 0
	N = $R_2rr^{y} + R_zr'r''$			
DC^{w}cEE	b = 0	d = 1	f = 0	h = 0
	N = 1			
DCCEE DC^{w}CEE	b = 1	d = 0	f = 0	h = 0
	N = 1			
dccee	b = 0	d = 0	f = 0	h = 1
	N = 1			
dCcee	b = 0	d = 0	f = r''	h = r^{y}
	N = r'' + r^{y}			
dccEe	b = 0	d = r'	f = 0	h = r^{y}
	N = r' + r^{y}			
dCcEe	b = r^2r^{y}	d = r'^2r''	f = $r'r''^2$	h = rr^{y2}
	N = $rr^{y}(r + r^{y}) + r'r''(r' + r'')$			
dC^{w}cee	b = 0	d = 0	f = 0	h = 1
	N = 1			
dC^{w}cEe	b = 0	d = $r'r''r'^{w}$	f = 0	h = $rr^{y}r^{yw}$
	N = $r'r''r'^{w} + rr^{y}r^{yw}$			
dCCee	b = 0	d = 0	f = 1	h = 0
	N = 1			
dCCEe	b = r	d = 0	f = r''	h = 0
	N = r + r''			
dC^{w}Cee	b = 0	d = 0	f = 1	h = 0
	N = 1			
dC^{w}CEe	b = $rr^{y}r'^{w}$	d = 0	f = $r'r''r^{yw}$	h = 0
	N = $rr^{y}r'^{w} + r'r''r^{yw}$			
dccEE	b = 0	d = 1	f = 0	h = 0
	N = 1			
dCcEE	b = r	d = r'	f = 0	h = 0
	N = r + r'			
dC^{w}cEE	b = 0	d = 1	f = 0	h = 0
	N = 1			
dCCEE dC^{w}CEE	b = 1	d = 0	f = 0	h = 0
	N = 1			

Tabelle 1. II. Kind: dC^wcee

Mutter	Substituenten (a = 0, c = 0, d = 0, e = 0, f = 0, g = 0, h = 0, i = 0, l = 0, m = 0)		
Dccee	$b = 0$	$k = 1$	$N = 1$
DCcee	$b = 0$	$k = 1$	$N = 1$
DccEe	$b = 0$	$k = 1$	$N = 1$
DCcEe	$b = 0$	$k = 1$	$N = 1$
DC^wcee	$b = R_0$	$k = R_1{}^w$	$N = R_0 + R_1{}^w$
DC^wcEe	$b = R_2$	$k = R_z{}^w$	$N = R_2 + R_z{}^w$
DC^wCee	$b = 1$	$k = 0$	$N = 1$
DC^wCEe	$b = 1$	$k = 0$	$N = 1$
dccee	$b = 0$	$k = 1$	$N = 1$
dCcee	$b = 0$	$k = 1$	$N = 1$
dccEe	$b = 0$	$k = 1$	$N = 1$
dCcEe	$b = 0$	$k = 1$	$N = 1$
dC^wcee	$b = r$	$k = r'^w$	$N = r + r'^w$
dC^wcEe	$b = r''$	$k = r^{yw}$	$N = r'' + r^{yw}$
dC^wCee	$b = 1$	$k = 0$	$N = 1$
dC^wCEe	$b = 1$	$k = 0$	$N = 1$

Tabelle 1. II. Kind: dC^wcEe

Mutter	Substituenten (a = 0, c = 0, d = 0, e = 0, g = 0, h = 0, i = 0, l = 0)			
Dccee	$b = 0$	$f = 0$	$k = 0$	$m = 1$
DCcee	$N = 1$			
DccEe	$b = 0$	$f = 0$	$k = R_0 r''r'^w$	$m = R_2 r r^{yw}$
	$N = R_0 r''r'^w + R_2 r r^{yw}$			
DCcEe	$b = 0$	$f = 0$	$k = R_1 r''r'^w$	$m = R_z r r^{yw}$
	$N = R_1 r''r'^w + R_z r r^{yw}$			
DC^wcee	$b = 0$	$f = R_0 r''r'^w$	$k = 0$	$m = R_1{}^w r r^{yw}$
	$N = R_0 r''r'^w + R_1{}^w r r^{yw}$			
DC^wcEe	$b = R_0 r r^{yw}$	$f = R_2 r''r'^w$	$k = R_1{}^w r''r'^w$	$m = R_z{}^w r r^{yw}$
	$N = r r^{yw}(R_0 + R_z{}^w) + r''r'^w(R_2 + R_1{}^w)$			
DC^wCee	$b = 0$	$f = 1$	$k = 0$	$m = 0$
	$N = 1$			
DC^wCEe	$b = r r^{yw}(R_1 + R_1{}^w)$	$f = r''r'^w(R_z + R_z{}^w)$	$k = 0$	$m = 0$
	$N = r r^{yw}(R_1 + R_1{}^w) + r''r'^w(R_z + R_z{}^w)$			
DccEE	$b = 0$	$f = 0$	$k = 1$	$m = 0$
DCcEE	$N = 1$			
DC^wcEE	$b = R_2 r r^{yw}$	$f = 0$	$k = R_z{}^w r''r'^w$	$m = 0$
	$N = R_2 r r^{yw} + R_z{}^w r''r'^w$			
DC^wCEE	$b = 1$	$f = 0$	$k = 0$	$m = 0$
	$N = 1$			

Tabelle 1. II (Fortsetzung)

Mutter	Substituenten (a = 0, c = 0, d = 0, e = 0, g = 0, h = 0, i = 0, l = 0)			
dccee	b = 0	f = 0	k = 0	m = 1
dCcee		N = 1		
dccEe	b = 0	f = 0	$k = r'^w$	$m = r^{yw}$
		$N = r'^w + r^{yw}$		
dCcEe	b = 0	f = 0	$k = r'r''r'^w$	$m = rr^y r^{yw}$
		$N = r'r''r'^w + rr^y r^{yw}$		
dC^wcee	b = 0	$f = r''$	k = 0	$m = r^{yw}$
		$N = r'' + r^{yw}$		
dC^wcEe	$b = r^2 r^{yw}$	$f = r''^2 r'^w$	$k = r''r'^{w2}$	$m = rr^{yw2}$
		$N = rr^{yw}(r + r^{yw}) + r''r'^w(r'' + r'^w)$		
dC^wCee	b = 0	f = 1	k = 0	m = 0
		N = 1		
dC^wCEe	$b = rr^{yw}(r' + r'^w)$	$f = r''r'^w(r^y + r^{yw})$	k = 0	m = 0
		$N = rr^{yw}(r' + r'^w) + r''r'^w(r^y + r^{yw})$		
dccEE	b = 0	f = 0	k = 1	m = 0
dCcEE		N = 1		
dC^wcEE	b = r	f = 0	$k = r'^w$	m = 0
		$N = r + r'^w$		
dC^wCEE	b = 1	f = 0	k = 0	m = 0
		N = 1		

Tabelle 1. II. Kind: dCCee

Mutter	Substituenten (a = 0, b = 0, c = 0, e = 0, f = 0, g = 0, h = 0, i = 0, k = 0, l = 0, m = 0)	
DCcee	dCcee	d = 1
DCcEe	dCcEe	N = 1
DCCee	dCCee	
DCCEe	dCCEe	
DC^wCee	dC^wCee	
DC^wCEe	dC^wCEe	

Tabelle 1. II. Kind: dC^wCee

Mutter	Substituenten (a = 0, b = 0, c = 0, e = 0, f = 0, g = 0, h = 0, i = 0, l = 0, m = 0)	
DCcee	d = 0	k = 1
DCcEe	N = 1	
DC^wcee	$d = r'$	$k = r'^w$
DC^wcEe		$N = r' + r'^w$
DCCee	d = 0	k = 1
DCCEe	N = 1	

Tabelle 1. II (Fortsetzung)

	Substituenten (a = 0, b = 0, c = 0, e = 0, f = 0, g = 0, h = 0, i = 0, l = 0, m = 0)
DC^wCee	$d = r'(R_1 + R_1{}^w)$ $k = R_1{}^w r' + r'^w(R_1 + R_1{}^w)$ $N = (R_1 + R_1{}^w)(r' + r'^w) + R_1{}^w r'$
DC^wCEe	$d = r'(R_z + R_z{}^w)$ $k = R_z{}^w r' + r'^w(R_z + R_z{}^w)$ $N = (R_z + R_z{}^w)(r' + r'^w) + R_z{}^w r'$
dCcee dCcEe	$d = 0$ $k = 1$ $N = 1$
dC^wcee dC^wcEe	$d = r'$ $k = r'^w$ $N = r' + r'^w$
dCCee dCCEe	$d = 0$ $k = 1$ $N = 1$
dC^wCee	$d = r'(r' + r'^w)$ $k = r'r'^w + r'^w(r' + r'^w)$ $N = (r' + r'^w)^2 + r'r'^w$
dC^wCEe	$d = r'(r^y + r^{yw})$ $k = r'r^{yw} + r'^w(r^y + r^{yw})$ $N = (r' + r'^w)(r^y + r^{yw}) + r'r^{yw}$

Tabelle 1. II. Kind: dCCEe

Mutter	Substituenten (a = 0, b = 0, c = 0, e = 0, f = 0, g = 0, i = 0, k = 0, l = 0, m = 0)		
DCcee	$d = 0$	$h = 1$	$N = 1$
DCcEe	$d = R_0$	$h = R_2$	$N = R_0 + R_2$
DCCee	$d = 0$	$h = 1$	$N = 1$
DCCEe	$d = R_1$	$h = R_z$	$N = R_1 + R_z$
DC^wCee	$d = 0$	$h = 1$	$N = 1$
DC^wCEe	$d = R_1{}^w$	$h = R_z{}^w$	$N = R_1{}^w + R_z{}^w$
DCcEE	$d = 1$	$h = 0$	$N = 1$
DCCEE	$d = 1$	$h = 0$	$N = 1$
DC^wCEE	$d = 1$	$h = 0$	$N = 1$
dCcee	$d = 0$	$h = 1$	$N = 1$
dCcEe	$d = r$	$h = r''$	$N = r + r''$
dCCee	$d = 0$	$h = 1$	$N = 1$
dCCEe	$d = r'$	$h = r^y$	$N = r' + r^y$
dC^wCee	$d = 0$	$h = 1$	$N = 1$
dC^wCEe	$d = r'^w$	$h = r^{yw}$	$N = r'^w + r^{yw}$
dCcEE	$d = 1$	$h = 0$	$N = 1$
dCCEE	$d = 1$	$h = 0$	$N = 1$
dC^wCEE	$d = 1$	$h = 0$	$N = 1$

Tabelle 1. II. Kind: dC^wCEe

Mutter	Substituenten ($a = 0, b = 0, c = 0, e = 0, f = 0, g = 0, i = 0, l = 0$)
DCcee	$d = 0 \quad h = 0 \quad k = 0 \quad m = 1 \quad N = 1$
DCcEe	$d = 0 \quad h = 0 \quad k = R_0 r^y r'^w \quad m = R_2 r' r^{yw}$ $N = R_0 r^y r'^w + R_2 r' r^{yw}$
DC^wCee	$d = 0 \quad h = r^y r'^w (R_1 + R_1{}^w) \quad k = 0 \quad m = R_1{}^w r' r^{yw} + r'^w r^{yw} (R_1 + R_1{}^w)$ $N = r'^w (R_1 + R_1{}^w)(r^y + r^{yw}) + R_1{}^w r' r^{yw}$
DC^wcee	$d = 0 \quad h = r^y \quad k = 0 \quad m = r^{yw} \quad N = r^y + r^{yw}$
DC^wcEe	$d = R_0 r' r^{yw} \quad h = R_2 r^y r'^w \quad k = R_0 r'^w r^{yw} \quad m = R_2 r'^w r^{yw}$ $N = R_0 r^{yw} (r' + r'^w) + R_2 r'^w (r^y + r^{yw})$
DCCee	$d = 0 \quad h = 0 \quad k = 0 \quad m = 1 \quad N = 1$
DCCEe	$d = 0 \quad h = 0 \quad k = R_1 r^y r'^w \quad m = R_z r' r^{yw}$ $N = R_1 r^y r'^w + R_z r' r^{yw}$
DC^wCEe	$d = r' r^{yw} (R_1 + R_1{}^w) \quad h = r^y r'^w (R_z + R_z{}^w)$ $k = R_1{}^w r^y r'^w + r'^w r^{yw} (R_1 + R_1{}^w) \quad m = R_z{}^w r' r^{yw} + r'^w r^{yw} (R_z + R_z{}^w)$ $N = r^{yw} (R_1 + R_1{}^w)(r' + r'^w) + R_1{}^w r^y r'^w + r'^w (R_z + R_z{}^w)(r^y + r^{yw}) + \ldots$ $\ldots + R_z{}^w r' r^{yw}$
DCcEE	$d = 0 \quad h = 0 \quad k = 1 \quad m = 0 \quad N = 1$
DC^wcEE	$d = r' \quad h = 0 \quad k = r'^w \quad m = 0 \quad N = r' + r'^w$
DCCEE	$d = 0 \quad h = 0 \quad k = 1 \quad m = 0 \quad N = 1$
DC^wCEE	$d = r' r^{yw} (R_z + R_z{}^w) \quad h = 0 \quad k = R_z{}^w r^y r'^w + r'^w r^{yw} (R_z + R_z{}^w) \quad m = 0$ $N = r^{yw} (R_z + R_z{}^w)(r' + r'^w) + R_z{}^w r^y r'^w$
dCcee	$d = 0 \quad h = 0 \quad k = 0 \quad m = 1 \quad N = 1$
dCcEe	$d = 0 \quad h = 0 \quad k = r r^y r'^w \quad m = r' r'' r^{yw}$ $N = r r^y r'^w + r' r'' r^{yw}$
dC^wcee	$d = 0 \quad h = r^y \quad k = 0 \quad m = r^{yw} \quad N = r^y + r^{yw}$
dC^wcEe	$d = r r' r^{yw} \quad h = r'' r^y r'^w \quad k = r r'^w r^{yw} \quad m = r'' r'^w r^{yw}$ $N = r r^{yw} (r' + r'^w) + r'' r'^w (r^y + r^{yw})$
dCCee	$d = 0 \quad h = 0 \quad k = 0 \quad m = 1 \quad N = 1$
dCCEe	$d = 0 \quad h = 0 \quad k = r'^w \quad m = r^{yw} \quad N = r'^w + r^{yw}$
dC^wCee	$d = 0 \quad h = r^y (r' + r'^w) \quad k = 0 \quad m = r' r^{yw} + r^{yw} (r' + r'^w)$ $N = (r' + r'^w)(r^y + r^{yw}) + r' r^{yw}$
dC^wCEe	$d = r' r^{yw} (r' + r'^w) \quad h = r^y r'^w (r^y + r^{yw})$ $k = r^y r'^{w2} + r'^w r^{yw} (r' + r'^w) \quad m = r' r^{yw2} + r'^w r^{yw} (r^y + r^{yw})$ $N = r^{yw} (r' + r'^w)^2 + r^y r'^{w2} + r'^w (r^y + r^{yw})^2 + r' r^{yw2}$
dCcEE	$d = 0 \quad h = 0 \quad k = 1 \quad m = 0 \quad N = 1$
dC^wcEE	$d = r' \quad h = 0 \quad k = r'^w \quad m = 0 \quad N = r' + r'^w$
dCCEE	$d = 0 \quad h = 0 \quad k = 1 \quad m = 0 \quad N = 1$
dC^wCEE	$d = r' (r^y + r^{yw}) \quad h = 0 \quad k = r^y r'^w + r'^w (r^y + r^{yw}) \quad m = 0$ $N = (r' + r'^w)(r^y + r^{yw}) + r^y r'^w$

Tabelle 1. II. Kind: dccEE

Mutter	Substituenten (a = 0, b = 0, c = 0, d = 0, e = 0, g = 0, h = 0, i = 0, k = 0, l = 0, m = 0)	
DccEe	dccEe	f = 1
DCcEe	dCcEe	N = 1
DC^{w}cEe	dC^{w}cEe	
DccEE	dccEE	
DCcEE	dCcEE	
DC^{w}cEE	dC^{w}cEE	

Tabelle 1. II. Kind: dCcEE

Mutter	Substituenten (a = 0, b = 0, c = 0, d = 0, e = 0, g = 0, i = 0, k = 0, l = 0, m = 0)		
DccEe	f = 0	h = 1	N = 1
DCcEe	f = R_0	h = R_1	N = $R_0 + R_1$
DC^{w}cEe	f = 0	h = 1	N = 1
DCCEe	f = 1	h = 0	N = 1
DC^{w}CEe	f = 1	h = 0	N = 1
DccEE	f = 0	h = 1	N = 1
DCcEE	f = R_2	h = R_Z	N = $R_2 + R_Z$
DC^{w}cEE	f = 0	h = 1	N = 1
DCCEE	f = 1	h = 0	N = 1
DC^{w}CEE	f = 1	h = 0	N = 1
dccEe	f = 0	h = 1	N = 1
dCcEe	f = r	h = r′	N = r + r′
dC^{w}cEe	f = 0	h = 1	N = 1
dCCEe	f = 1	h = 0	N = 1
dC^{w}CEe	f = 1	h = 0	N = 1
dccEE	f = 0	h = 1	N = 1
dCcEE	f = r″	h = r^{y}	N = r″ + r^{y}
dC^{w}cEE	f = 0	h = 1	N = 1
dCCEE	f = 1	h = 0	N = 1
dC^{w}CEE	f = 1	h = 0	N = 1

Tabelle 1. II. Kind: dC^{w}cEE

Mutter	Substituenten (a = 0, b = 0, c = 0, d = 0, e = 0, g = 0, h = 0, i = 0, k = 0, l = 0)		
DccEe	f = 0	m = 1	N = 1
DCcEe	f = 0	m = 1	N = 1
DC^{w}cEe	f = R_0	m = $R_1{}^{w}$	N = $R_0 + R_1{}^{w}$
DC^{w}CEe	f = 1	m = 0	N = 1
DccEE	f = 0	m = 1	N = 1
DCcEE	f = 0	m = 1	N = 1
DC^{w}cEE	f = R_2	m = $R_Z{}^{w}$	N = $R_2 + R_Z{}^{w}$
DC^{w}CEE	f = 1	m = 0	N = 1
dccEe	f = 0	m = 1	N = 1
dCcEe	f = 0	m = 1	N = 1

Tabelle 1. II (Fortsetzung)

Mutter	Substituenten (a = 0, b = 0, c = 0, d = 0, e = 0, g = 0, h = 0, i = 0, k = 0, l = 0)		
dC^wcEe	$f = r$	$m = r'^w$	$N = r + r'^w$
dC^wCEe	$f = 1$	$m = 0$	$N = 1$
dccEE	$f = 0$	$m = 1$	$N = 1$
dCcEE	$f = 0$	$m = 1$	$N = 1$
dC^wcEE	$f = r''$	$m = r^{yw}$	$N = r'' + r^{yw}$
dC^wCEE	$f = 1$	$m = 0$	$N = 1$

Tabelle 1. II. Kind: dCCEE

Mutter	Substituenten (a = 0, b = 0, c = 0, d = 0, e = 0, f = 0, g = 0, i = 0, k = 0, l = 0, m = 0)
DCcEe	$h = 1$
DCCEe	$N = 1$
DC^wCEe	
DCcEE	
DCCEE	
DC^wCEE	
dCcEe	
dCCEe	
dC^wCEe	
dCcEE	
dCCEE	
dC^wCEE	

Tabelle 1. II. Kind: dC^wCEE

Mutter	Substituenten (a = 0, b = 0, c = 0, d = 0, e = 0, f = 0, g = 0, i = 0, k = 0, l = 0)		
DCcEe	$h = 0$	$m = 1$	$N = 1$
DC^wcEe	$h = r^y$	$m = r^{yw}$	$N = r^y + r^{yw}$
DCCEe	$h = 0$	$m = 1$	$N = 1$
DC^wCEe	$h = r^y(R_1 + R_1{}^w)$		$m = R_1{}^w r^y + r^{yw}(R_1 + R_1{}^w)$
	$N = (R_1 + R_1{}^w)(r^y + r^{yw}) + R_1{}^w r^y$		
DCcEE	$h = 0$	$m = 1$	$N = 1$
DC^wcEE	$h = r^y$	$m = r^{yw}$	$N = r^y + r^{yw}$
DCCEE	$h = 0$	$m = 1$	$N = 1$
DC^wCEE	$h = r^y(R_z + R_z{}^w)$		$m = R_z{}^w r^y + r^{yw}(R_z + R_z{}^w)$
	$N = (R_z + R_z{}^w)(r^y + r^{yw}) + R_z{}^w r^y$		
dCcEe	$h = 0$	$m = 1$	$N = 1$
dC^wcEe	$h = r^y$	$m = r^{yw}$	$N = r^y + r^{yw}$
dCCEe	$h = 0$	$m = 1$	$N = 1$
dC^wCEe	$h = r^y(r' + r'^w)$		$m = r^y r'^w + r^{yw}(r' + r'^w)$
	$N = (r' + r'^w)(r^y + r^{yw}) + r^y r'^w$		
dCcEE	$h = 0$	$m = 1$	$N = 1$
dC^wcEE	$h = r^y$	$m = r^{yw}$	$N = r^y + r^{yw}$
dCCEE	$h = 0$	$m = 1$	$N = 1$
dC^wCEE	$h = r^y(r^y + r^{yw})$		$m = r^y r^{yw} + r^{yw}(r^y + r^{yw})$
	$N = (r^y + r^{yw})^2 + r^y r^{yw}$		

Eingegangen am 12. Februar 1979