

18. Probability-theoretic Investigations on Inheritance.
IV₈. Mother-Child Combinations

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6^{bis}. Illustration by several blood types

3rd C. 2nd C. 1st C. M.		M			N			MN		
		M	N	MN	M	N	MN	M	N	MN
M	M	$\frac{1}{4}s^3(1+3s)$	0	$\frac{1}{4}s^3t$	0	0	0	$\frac{1}{4}s^3t$	0	$\frac{1}{4}s^3t$
	N	0	0	0	0	0	0	0	0	0
	MN	$\frac{1}{4}s^3t$	0	$\frac{1}{4}s^3t$	0	0	0	$\frac{1}{4}s^3t$	0	$\frac{1}{4}s^2t(1+3t)$
N	M	0	0	0	0	0	0	0	0	0
	N	0	0	0	0	$\frac{1}{4}t^3(1+3t)$	$\frac{1}{4}st^3$	0	$\frac{1}{4}st^3$	$\frac{1}{4}st^3$
	MN	0	0	0	0	$\frac{1}{4}st^3$	$\frac{1}{4}st^3$	0	$\frac{1}{4}st^3$	$\frac{1}{4}st^2(1+3s)$
MN	M	$\frac{1}{16}s^2t(1+3s)$	$\frac{1}{16}s^2t^2$	$\frac{1}{8}s^2t(1+s)$	$\frac{1}{16}s^2t^3$	$\frac{1}{16}s^2t^2$	$\frac{1}{8}s^2t^2$	$\frac{1}{8}s^2t(1+s)$	$\frac{1}{8}s^2t^2$	$\frac{1}{4}s^2t$
	N	$\frac{1}{16}s^2t^2$	$\frac{1}{16}s^2t^2$	$\frac{1}{8}s^2t^2$	$\frac{1}{16}s^2t^2$	$\frac{1}{16}st^2(1+3t)$	$\frac{1}{8}st^2(1+t)$	$\frac{1}{8}s^2t^2$	$\frac{1}{8}st^2(1+t)$	$\frac{1}{4}st^2$
	MN	$\frac{1}{8}s^2t(1+s)$	$\frac{1}{8}s^2t^2$	$\frac{1}{4}s^2t$	$\frac{1}{8}s^2t^2$	$\frac{1}{8}st^2(1+t)$	$\frac{1}{4}st^2$	$\frac{1}{4}s^2t$	$\frac{1}{4}st^2$	$\frac{1}{4}st$

3rd C. 2nd C. 1st C. M.		Q		q	
		Q	q	Q	q
Q	Q	$\frac{1}{16}u(4+12u+19uv+9u^2v)$	$\frac{1}{16}uv^2(4+5u)$	$\frac{1}{16}uv^2(4+5u)$	$\frac{1}{16}uv^2(3+v)$
	q	$\frac{1}{16}uv^2(4+5u)$	$\frac{1}{16}uv^2(3+v)$	$\frac{1}{16}uv^2(3+v)$	$\frac{1}{16}uv^2(1+3v)$
q	Q	$\frac{1}{4}uv^2(1+3u)$	$\frac{1}{4}uv^3$	$\frac{1}{4}uv^3$	$\frac{1}{4}uv^3$
	q	$\frac{1}{4}uv^3$	$\frac{1}{4}uv^3$	$\frac{1}{4}uv^3$	$\frac{1}{4}v^3(1+3v)$