	$ -\frac{-s+1}{s-1} $	0	0	0	0	0	0	0	0	0	0	0	
$A^k =$	0	s^k	0	0	0	0	0	0	0	0	0	0	
	$\frac{s^k}{s-1} - \frac{1}{s-1}$	$ks^{(k-1)}$	s^k	0	0	0	0	0	0	0	0	0	
	0	0	0	1	-k	$-(-1)^k + 1$	$\frac{(-1)^k}{2} - 1/2$	0	0	0	0	0	
	0	0	0	0	1	0	0	0	0	0	0	0	
	0	0	0	0	0	$(-1)^k$	$\frac{-(-1)^k}{2} + 1/2$	0	0	0	0	0	
	0	0	0	0	0	0	1	0	0	0	0	0	
	0	0	0	0	0	0	0	1	ks	$\frac{ks^2(k-1)}{2}$	$\frac{ks^3(k-2)(k-1)}{6}$	$\frac{ks^4(k-3)(k-2)(k-1)}{24}$	
	0	0	0	0	0	0	0	0	1	ks	$\frac{ks^2(k-1)}{2}$	$\frac{s^3(k-2)(k-1)}{6}$	
	0	0	0	0	0	0	0	0 0		1	ks	$\frac{ks^2(k-1)}{2}$	
	0	0	0	0	0	0	0	0	0	0	1	ks	
	0	0	0	0	0	0	0	0	0	0	0	1	

	1.0	0	0	0	0	0	0	0	0	0	0	0]
$A^{10} =$	0	9765625.0	0	0	0	0	0	0	0	0	0	0
	2441406.0	19531250.0	9765625.0	0	0	0	0	0	0	0	0	0
	0	0	0	1.0	-10.0	0	0	0	0	0	0	0
	0	0	0	0	1.0	0	0	0	0	0	0	0
	0	0	0	0	0	1.0	0	0	0	0	0	0
	0	0	0	0	0	0	1.0	0	0	0	0	0
	0	0	0	0	0	0	0	1.0	50.0	1125.0	15000.0	131250.0
	0	0	0	0	0	0	0	0	1.0	50.0	1125.0	15000.0
	0	0	0	0	0	0	0	0	0	1.0	50.0	1125.0
	0	0	0	0	0	0	0	0	0	0	1.0	50.0
	0	0	0	0	0	0	0	0	0	0	0	1.0