

a) grouping

A^0	A^1	$\bullet \bullet \bullet$	$A^{2^{(d-1)} - 1}$	$A^{2^{(d-1)}}$	$A^{2^{(d-1)} + 1}$	$\bullet \bullet \bullet$	$A^{2^d - 1}$
A^{2^d}	$A^{2^d + 1}$	$\bullet \bullet \bullet$	$A^{2^d + 2^{(d-1)} - 1}$	$A^{2^d + 2^{(d-1)}}$	$A^{2^d + 2^{(d-1)} + 1}$	$\bullet \bullet \bullet$	$A^{2*2^d - 1}$
A^{2*2^d}	$A^{2*2^d + 1}$	$\bullet \bullet \bullet$	$A^{2*2^d + 2^{(d-1)} - 1}$	$A^{2*2^d + 2^{(d-1)}}$	$A^{2*2^d + 2^{(d-1)} + 1}$	$\bullet \bullet \bullet$	$A^{3*2^d - 1}$
A^{3*2^d}	$A^{3*2^d + 1}$	$\bullet \bullet \bullet$	$A^{3*2^d + 2^{(d-1)} - 1}$	$A^{3*2^d + 2^{(d-1)}}$	$A^{3*2^d + 2^{(d-1)} + 1}$	$\bullet \bullet \bullet$	$A^{4*2^d - 1}$

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$q_{0..3}$ $q_{4..7}$ $\bullet \bullet \bullet$ $q_{508..511}$ $q_{512..515}$ $q_{516..519}$ $\bullet \bullet \bullet$ $q_{1021..1024}$

b) de-grouping

$q_{0..3}$	$q_{4..7}$	$\bullet \bullet \bullet$	$q_{508..511}$	$q_{512..515}$	$q_{516..519}$	$\bullet \bullet \bullet$	$q_{1021..1024}$
B^0	B^1	$\bullet \bullet \bullet$	$B^{2^{(d-1)} - 1}$	$B^{2^{(d-1)}}$	$B^{2^{(d-1)} + 1}$	$\bullet \bullet \bullet$	$B^{2^d - 1}$
B^{2^d}	$B^{2^d + 1}$	$\bullet \bullet \bullet$	$B^{2^d + 2^{(d-1)} - 1}$	$B^{2^d + 2^{(d-1)}}$	$B^{2^d + 2^{(d-1)} + 1}$	$\bullet \bullet \bullet$	$B^{2*2^d - 1}$
B^{2*2^d}	$B^{2*2^d + 1}$	$\bullet \bullet \bullet$	$B^{2*2^d + 2^{(d-1)} - 1}$	$B^{2*2^d + 2^{(d-1)}}$	$B^{2*2^d + 2^{(d-1)} + 1}$	$\bullet \bullet \bullet$	$B^{3*2^d - 1}$
B^{3*2^d}	$B^{3*2^d + 1}$	$\bullet \bullet \bullet$	$B^{3*2^d + 2^{(d-1)} - 1}$	$B^{3*2^d + 2^{(d-1)}}$	$B^{3*2^d + 2^{(d-1)} + 1}$	$\bullet \bullet \bullet$	$B^{4*2^d - 1}$