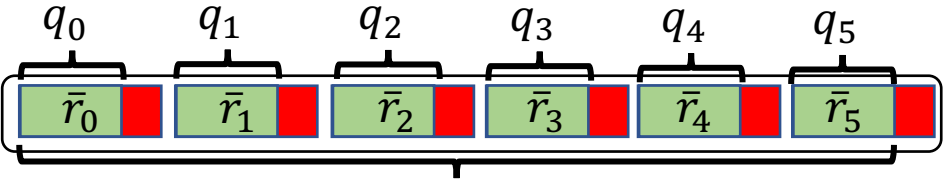


Level

Modulus

Scale

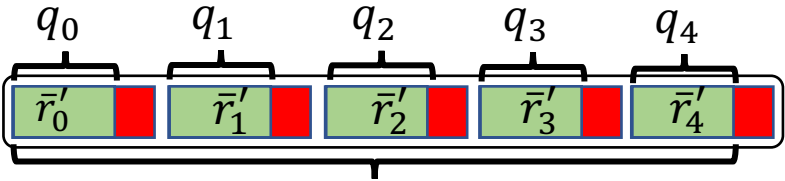
6



$$S_6$$

$$Q_6 = q_0 q_1 q_2 q_3 q_4 q_5$$

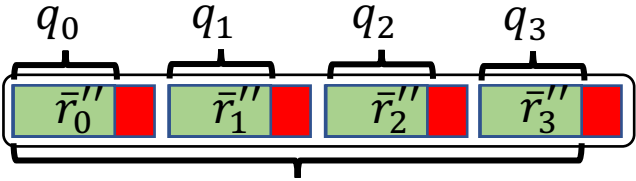
5



$$S_5 = S_6^2 / q_5$$

$$Q_5 = q_0 q_1 q_2 q_3 q_4 = Q_6 / q_5$$

4



$$S_4 = S_5^2 / q_4$$

$$Q_4 = q_0 q_1 q_2 q_3 = Q_5 / q_4$$

⋮

⋮

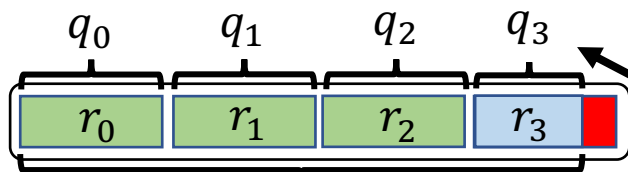
⋮

Level

Modulus

Scale

6

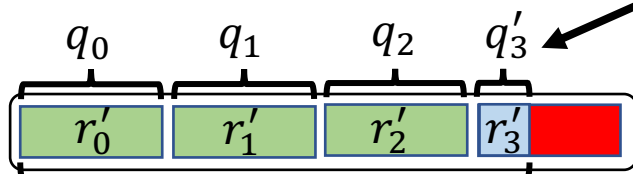


$$Q_6 = q_0 q_1 q_2 q_3$$

S_6

\neq

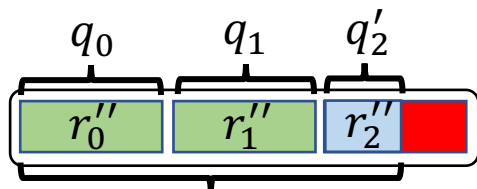
5



$$Q_5 = q_0 q_1 q_2 q'_3 = Q_6 q'_3 / q_3$$

$$S_5 = S_6^2 q'_3 / q_3$$

4



$$Q_4 = q_0 q_1 q'_2 = Q_5 q'_2 / q_2 q'_3$$

$$S_4 = S_5^2 q'_2 / q_2 q'_3$$

\vdots

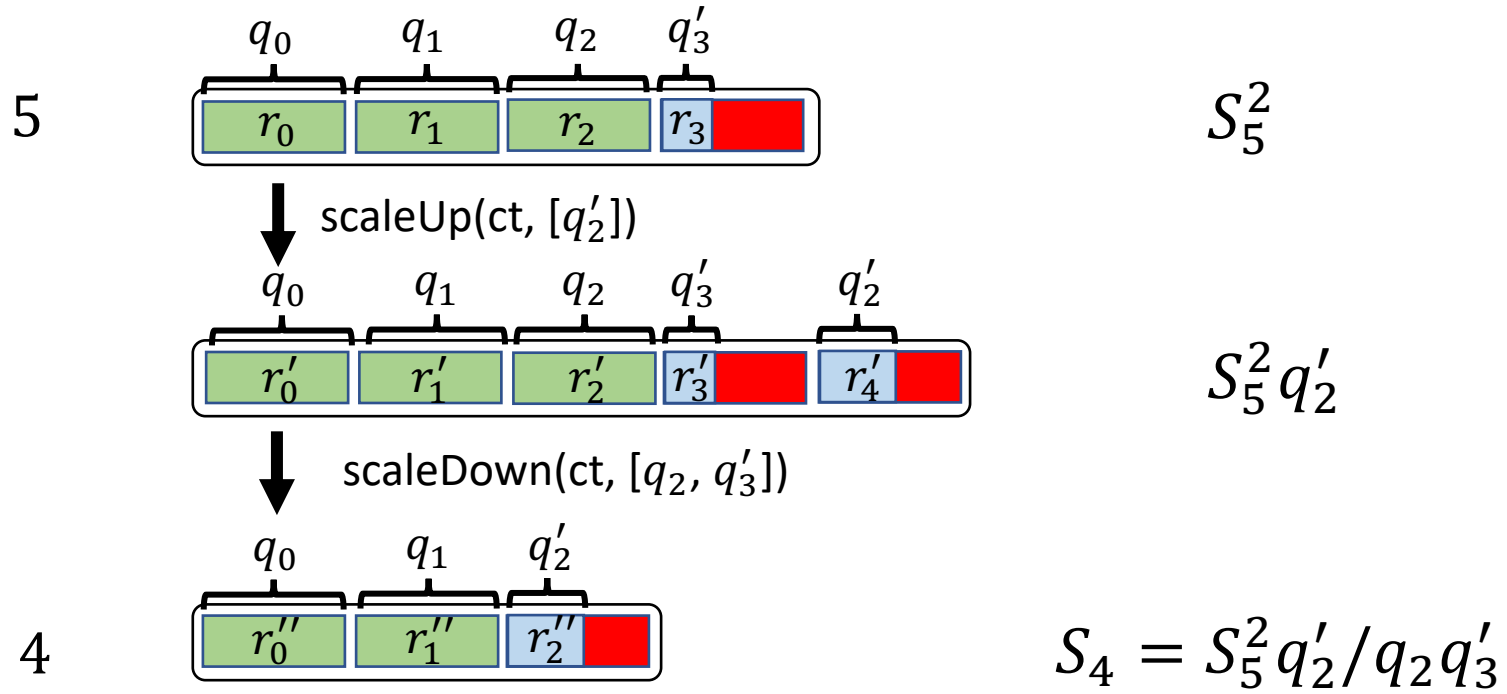
\vdots

\vdots

Level

Modulus

Scale

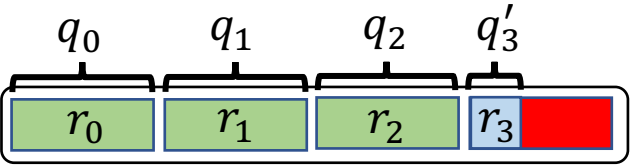


Level

Modulus

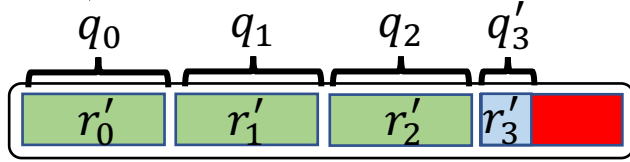
Scale

5



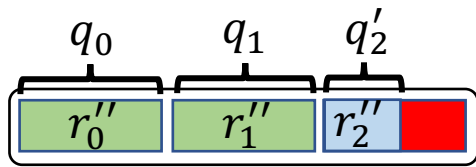
S_5

\downarrow mulConst(ct, $K=S_4q'_3/S_5q'_2$)



$S_4q'_3/q'_2$

\downarrow bpRescale(ct)



4

S_4

