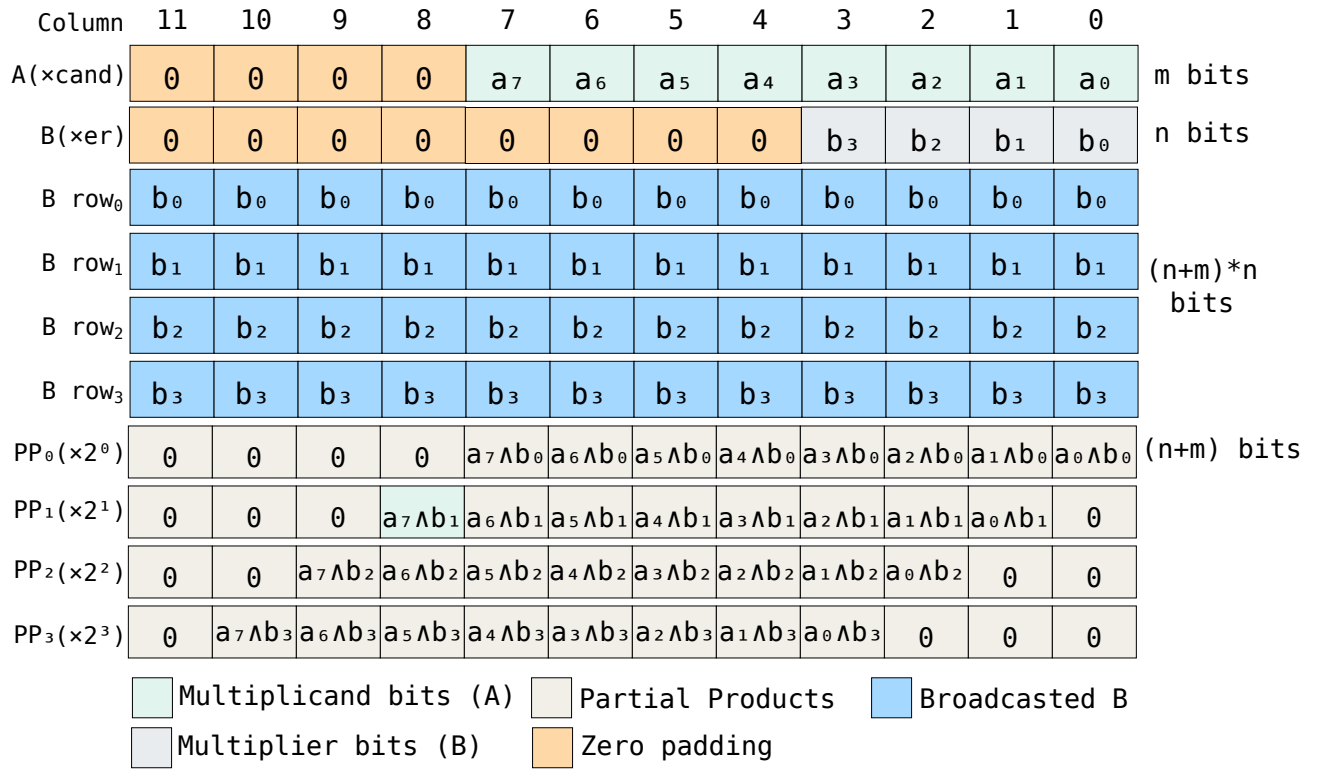

Column 11 10 9 8 7 6 5 4 3 2 1 0
A(×cand) 0 0 0 0 a7 a6 a5 a4 a3 a2 a1 a0
m bits
B(×er) 0 0 0 0 0 0 0 0 b3 b2 b1 b0
n bits
B row0 b0 b0 b0 b0 b0 b0 b0 b0 b0 b0 b0 b0
B row1 b1 b1 b1 b1 b1 b1 b1 b1 b1 b1 b1 b1
B row2 b2 b2 b2 b2 b2 b2 b2 b2 b2 b2 b2 b2
B row3 b3 b3 b3 b3 b3 b3 b3 b3 b3 b3 b3 b3
(n+m)*n bits
PP0(×2^0) 0 0 0 0 a7∧b0 a6∧b0 a5∧b0 a4∧b0 a3∧b0 a2∧b0 a1∧b0 a0∧b0
PP1(×2^1) 0 0 0 a7∧b1 a6∧b1 a5∧b1 a4∧b1 a3∧b1 a2∧b1 a1∧b1 a0∧b1 0
PP2(×2^2) 0 0 a7∧b2 a6∧b2 a5∧b2 a4∧b2 a3∧b2 a2∧b2 a1∧b2 a0∧b2 0 0
PP3(×2^3) 0 a7∧b3 a6∧b3 a5∧b3 a4∧b3 a3∧b3 a2∧b3 a1∧b3 a0∧b3 0 0 0
(n+m) bits
Multiplicand bits (A)
Partial Products
Broadcasted B
Multiplier bits (B)
Zero padding