







## Multiplication ۵. A a3 $a_2$ aı -> $\rightarrow P = A \times B$ bı b. B b2 b<sub>3</sub> add A to itself B no. of times lз $\mathfrak{a}_{2}$ a. aı $\mathbf{1}$ some times **b**1 b. $b_2$ $b_3$ can be clow a.b. Partial products a.b. sometimes very **U3** b1 a2b. fast a, b, a, b, a3 b1 a2 b1 4 1 , Po PG Pz • • • Product = AND gate ab. Ь. Q. 0 0 0 $a_{o}b_{o} = a_{o}$ AND $b_{o}$ $\Rightarrow$ 0 0 1 1 0 0 1 1





