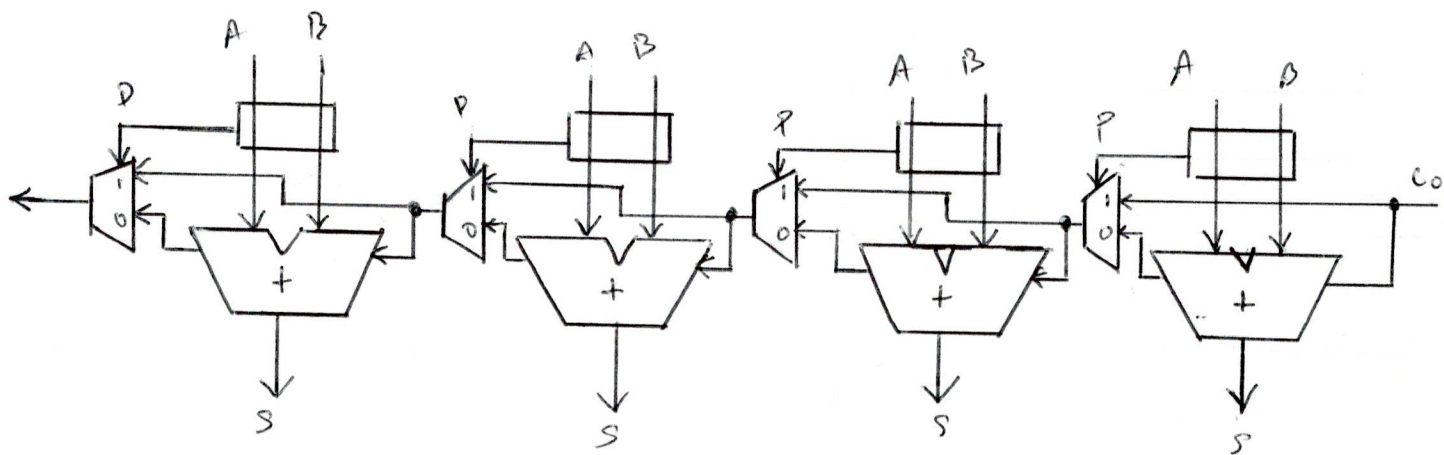


Q-6) a) Carry skip adder



$$t_{ripple} = t_{pg} + (69-1) t_{AO} + t_{xor}$$

$$t_{ripple} = t_{pg} + 68 t_{AO} + t_{xor}$$