26977 Pret 7 NOR (2) 2 switch des t= 2+ NAND 5) 5 suitches c) way 3 suitches time: 3t 2) DECODER 78 -switches 36 switches (courted from diag com) time 28k fim= 36 t DEMUX 52 switches (rounted from diagram) time=52+

e) Mux

61 Switches (52 from DEMUX + 8 OR + 10R hance 61 (additional)

Moy g) MAJ Countred From drayram switcher = 26 time = 266 DDD switcher = 23 counted from digram F.MC 2 23+ ncloler i) abit adales consist of both oop and MAJ hence 23 + 26 = 49 switches time = lat