## Sum of Absolute Differences (SAD)

SAD algorithm Inputs: A, B, 256 8-bit elements; go (bit); Outputs: sad (32 bits) 1, Wait for 'go 2) Initialize 'sum' and 'index' to zero 3, Check if 'done' (17=256) 4) Add difference to Sum', increment "index" 5, If done, write to output, 'sad-reg' Inputs: A, B [256] (8 bits), go (bit) Outputs: and (32 bits) Local storage: sum, sad-reg (32 bits); i (9 bits) ()!go SD Sum: = 0 inden:= D i < 256 Sum: = sum + abr (A[i] - B[i]) i := i+1 Sad-reg := sum



