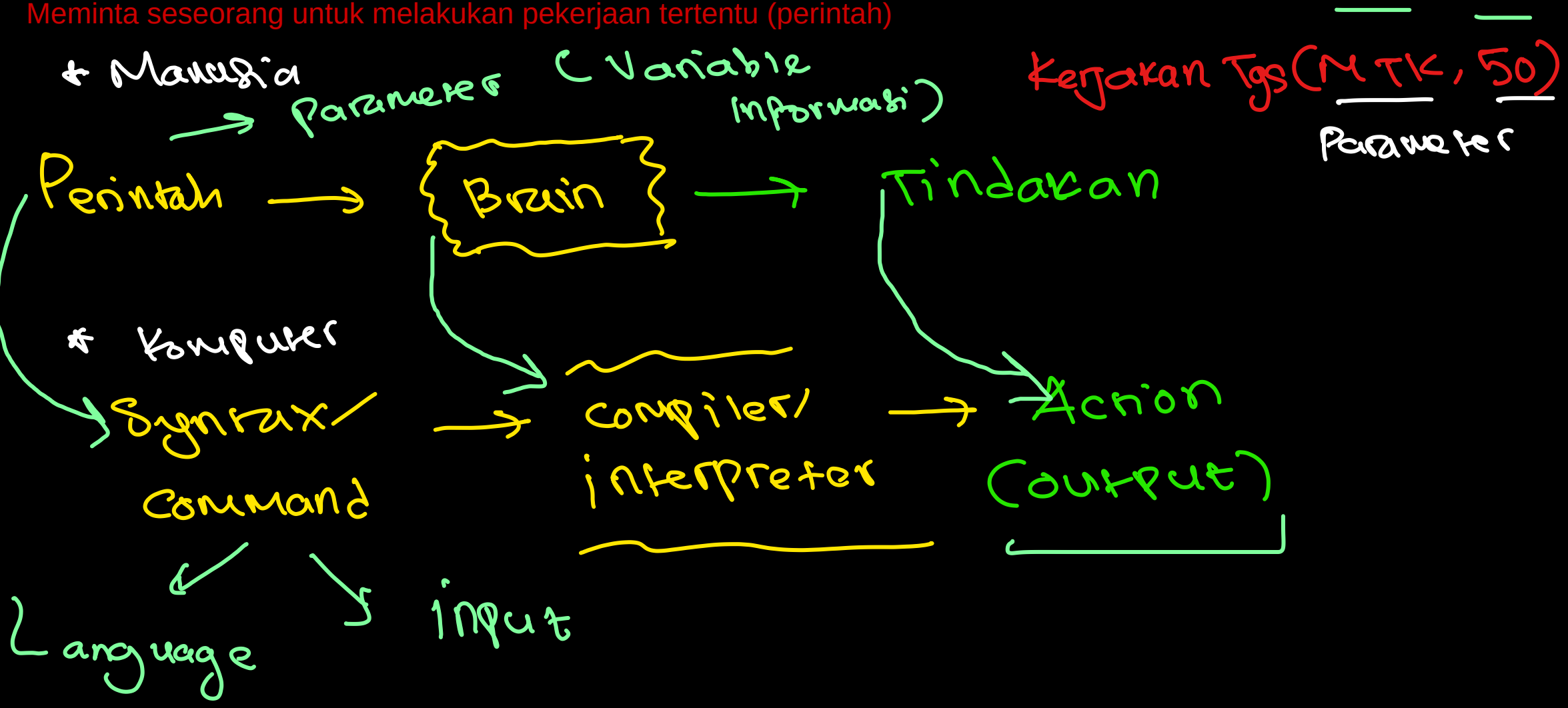
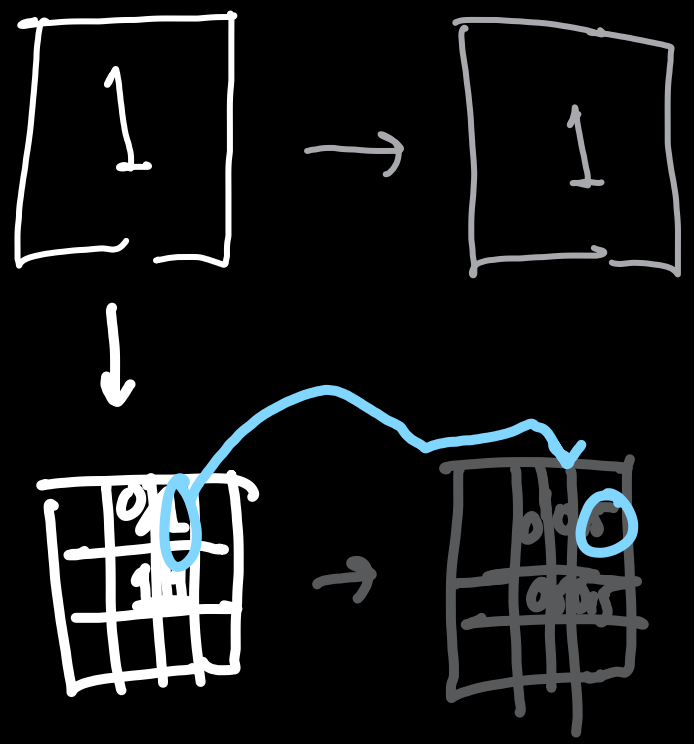
Meminta seseorang untuk melakukan pekerjaan tertentu (perintah)



Perintah : Hitung x + y ?
Input : x = 1, y = 2
Compiler : x +y = 1 + 2
Output : cout<<x +y; → 3

Bahasa Pemrograman
C++

$A = [1, 2, 3, 4, 5]$, $B = [6, 7, 8]$



$$\begin{bmatrix} 0 & 1 \\ 1 & 1 \end{bmatrix} \cdot \begin{bmatrix} 0 & 0.5 \\ 0.5 & 0.5 \end{bmatrix} = [$$

0 1 → 0 0.5

1 1 → 0.5 0.5

Conv spy bruteforce

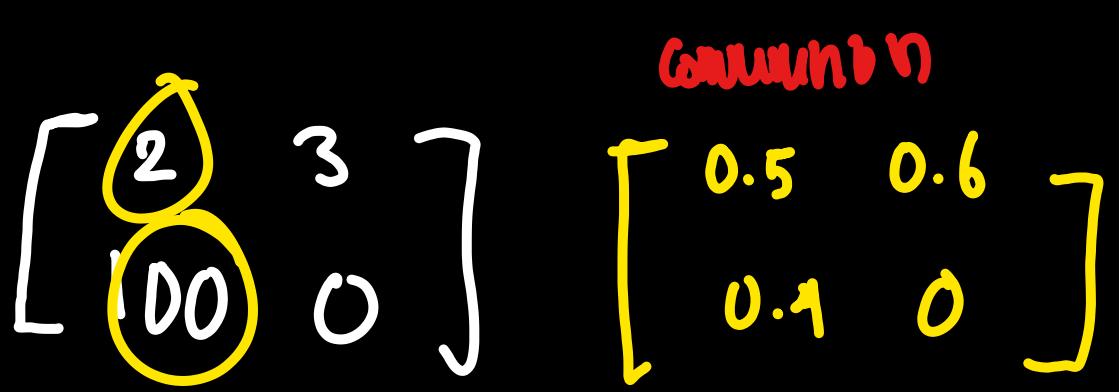
1 ... 0.5 ?

0.9 ... 0.5 ?

0.8 ... 0.5 ?

} BF

Conv → Pooling → Fc



Pooling → Reduce Dimension

Conv. Layer →

2 — 100 Jauh → 0.5 — 0.1

Valid?

Ekstrak Fitur

Farhan Aja

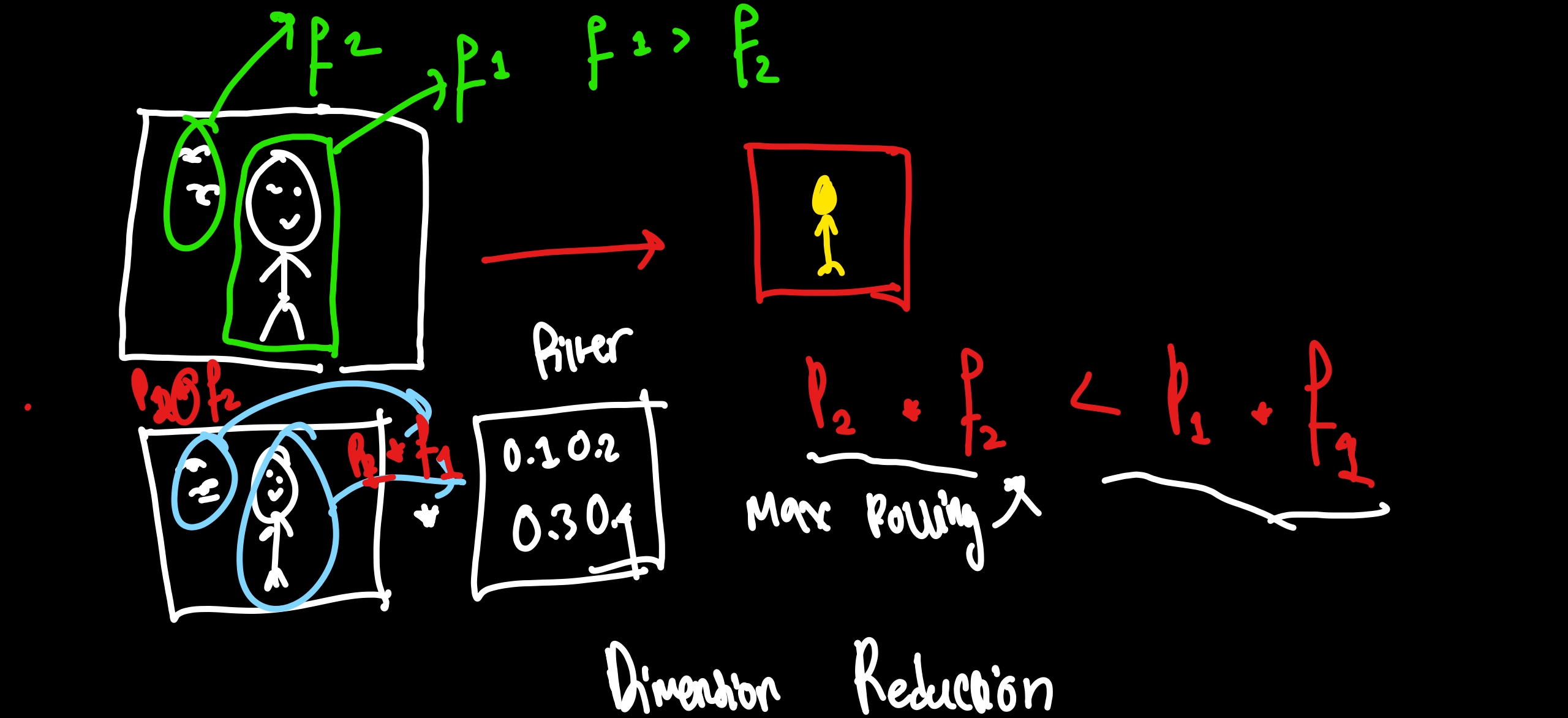
why Conv? ← Ekstrak Fitur → Pooling Farhan

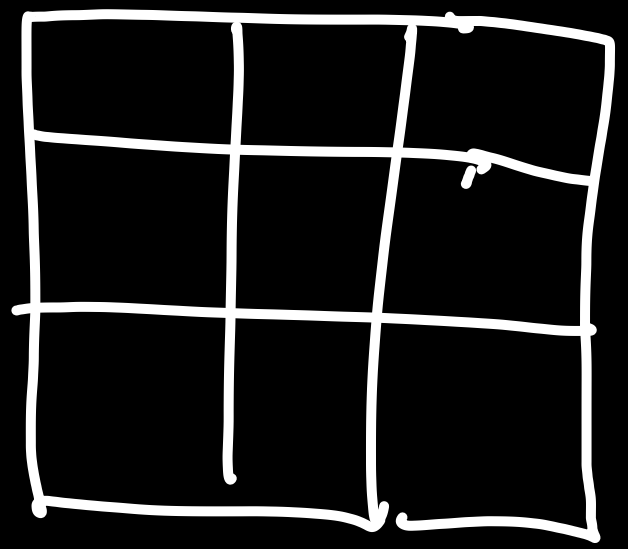
CNN

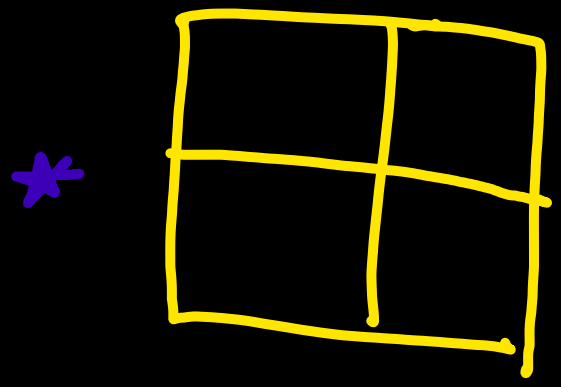
Filter/Kernel

$$\begin{bmatrix} 1 & 5 & 2 \\ 0 & 100 & 3 \\ 1 & 2 & 2 \end{bmatrix} \circledast \begin{bmatrix} 1/2 \\ 0.7 \\ 0.5 \end{bmatrix} = \begin{bmatrix} 0.2 & 0.1 & 0.7 \\ 0 & 0.3 & 0.4 \\ 0.5 & 0.1 & 0 \end{bmatrix}$$

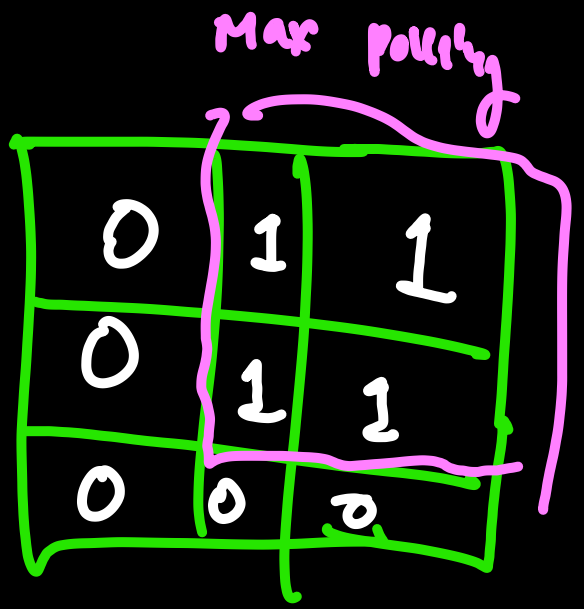
$32 * 32 \rightarrow 2 * 2$


f_2
f_1
$f_1 > f_2$
Filter
0.1 0.2
0.3 0.1
$P_2 * f_2 < P_1 * f_1$
Max Pooling
Dimension Reduction





Filter



Max polling