

CSE 425

Midterm

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Sec: 02

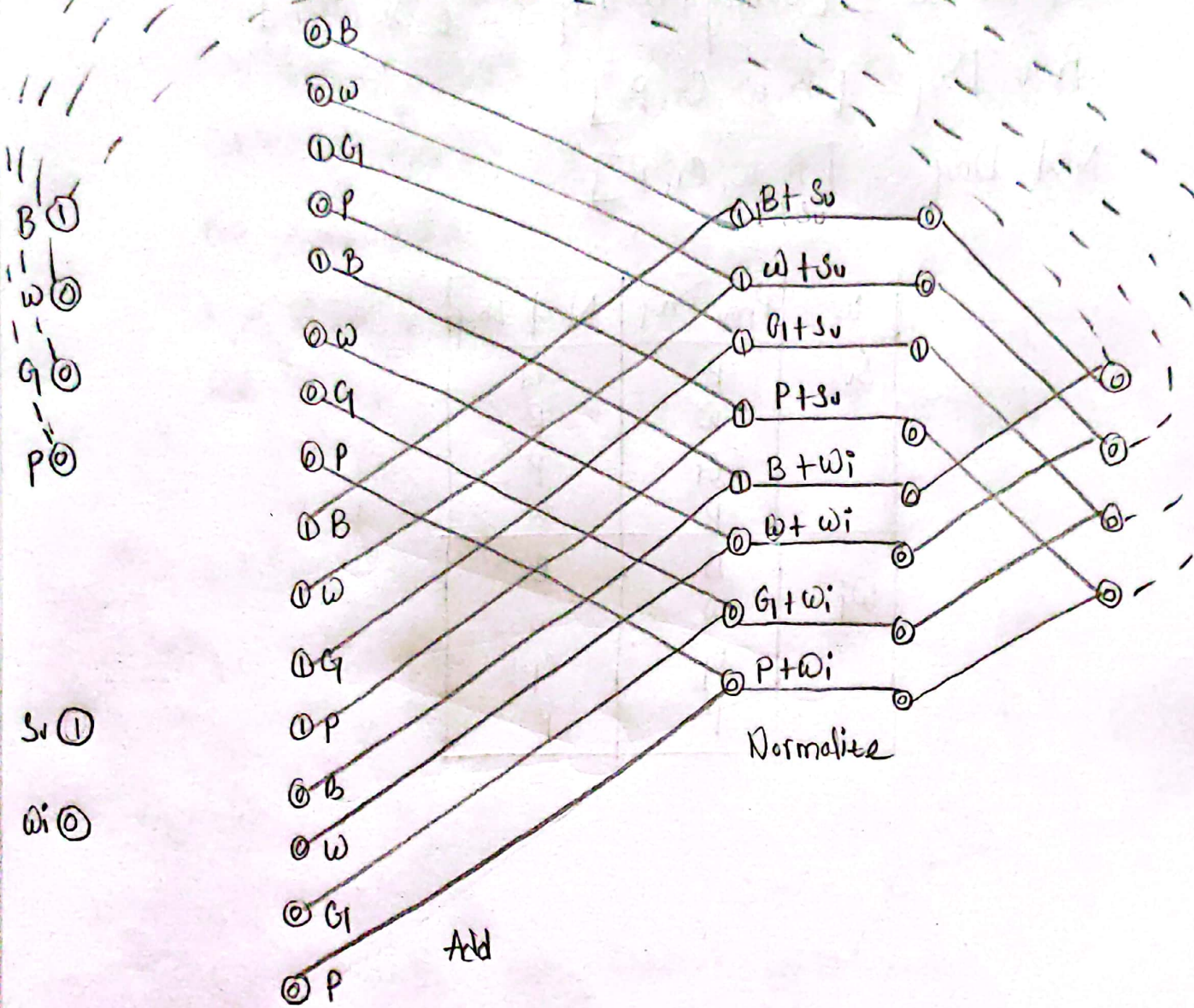
Question 1

Inputs $w = [\text{Sunny}, \text{Windy}] = [S_u, W_i]$

Prev Day = $[B, w, G, P]$

Next Day = $[B, w, G, P]$

w	Prev Day	Next Day
S_u	B	G
	w	B
	G	P
	P	w
W_i	B	B
	w	w
	G	G
	P	P



Test : Input $[S_u, B] = \text{Output } [G]$

Here, input vector $\begin{bmatrix} 1 \\ 0 \\ 0 \\ 0 \\ 1 \end{bmatrix} = \text{output vector } \begin{bmatrix} 0 \\ 0 \\ 1 \\ 0 \end{bmatrix} \text{ [proved]}$