





## Poynomial addition:-

$$P(x) = A(x) + B(x)$$

START

Nodez Nodes Nodes Nodes Mode6.

Node

SPARSE MATRIX :--> sparse matrix is defined as the maximum nois of elements having (zero) value. sparse maln'x:-The Example BAR( )+W B = Ray Co 0 C3 0 Cy .0 3 25 6×6 Base A 20: -

_	In the above matrix total no. of non-zero
	elements Ps 8 that means maximum
	rumber of elemente is having zero
	values
->	for this reason the above matify is a
	sparse matrix.
_	
0	Representation of sparse Matrix?-
<b>→</b>	To avoid the wastage of memory space
	we require for an alternative representa-
	for to store the non-zero elements.
7	To represent a sparce matrix we sequire
-	3 types < i j value,
i i	where l'sepresent number of rows,
<del></del>	j represent number of columns
	and value indicates the value of
	non-zero element- that is present in the ith row and ith column.
	h
->	Example: - Broll 6 6 8 from zer
	$\frac{2}{3} \frac{1}{3} \frac{1}$
100	B[2][ D 3 (1)
0	1 2 3 45 B[3] 0 5 (2)
-11	D(3) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	D[7]4 1 0 0
!_	B[5] 1 2 9
- 1	B[6] 2 3 7
····	B[7] 4 0 8
	13/8/ [ 5 2 3 ]

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