OSBM (Option Selector based on the Best Matching) Mechanism (Excel Implemented Version)

Actual Input

1	0	0	0
1	0	0	0
1	0	0	0
1	1	1	1

Option A

1	1	0	0
1	1	0	0
1	1	1	1
1	1	1	1

Option B

0	0	0	1
0	0	1	0
0	1	0	0
1	0	0	0

Option C

0	0	0	1
0	0	0	1
0	0	0	1
1	1	1	1

Actual Input VS Option A

0	1	0	0	1	
0	1	0	0	1	
0	1	1	1	3	T
0	0	0	0	0	5
0	3	1	1		
	T		5		

Actual Input VS Option B

1	0	0	1	2	
1	0	1	0	2	
1	1	0	0	2	T
0	1	1	1	3	9
3	2	2	2		
	T		9		

Actual Input VS Option C

1	0	0	1	2	
1	0	0	1	2	
1	0	0	1	2	T
0	0	0	0	0	6
3	0	0	3		
	T		6		

Matching Rates

∴   A>C>B

Mismatching Value

Actual input VS A	5
Actual input VS B	9
Actual input VS C	6

∴ **Matching % with respect to Actual Input (wrtActual)**

A	(4*4 - 5)/(4*4)*100	68.75 %
B	(4*4 - 9)/(4*4)*100	43.75 %
C	(4*4 - 6)/(4*4)*100	62.50 %

Complement of Mismatch Value

A	(5+9+6)-5	15
B	(5+9+6)-9	11
C	(5+9+6)-6	14
Total		40

∴ **Matching % with respect to other options (wrtOption)**

Option A	(15/40*100)	37.50 %
Option B	(11/40*100)	27.50 %
Option C	(14/40*100)	35.00 %
	Total	100 %