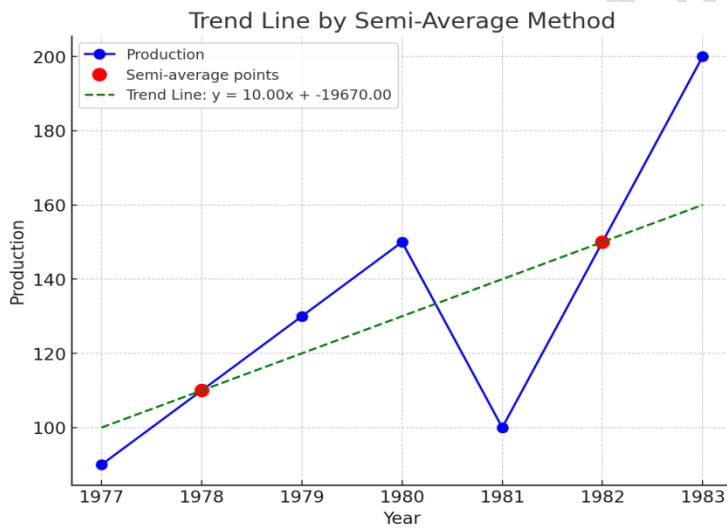


1. Draw a trend line by the method of semi average

Year	1977	1978	1979	1980	1981	1982	1983
Production	90	110	130	150	100	150	200

Solution calculation of trend by the method of semi average

Year	Production	
1977	90	} $\frac{330}{3} = 110$
1978	110	
1980	130	
1980	150	} $\frac{450}{3} = 150$
1981	100	
1982	150	
1983	200	



Even number of years: in case of even years, the question arises which year would be the middle year to plot the average point: suppose. If the data relate to 1980, 1982 and 1983, then the average point will be centered corresponding to 1st July 1981, I.e., middle of 1981 and 1982.