

## Problem 2

Consider an infinite network consisting of resistors (resistance of each of them is  $r$ ) shown in Fig. 3. Find the resultant resistance  $R_{AB}$  between points A and B.

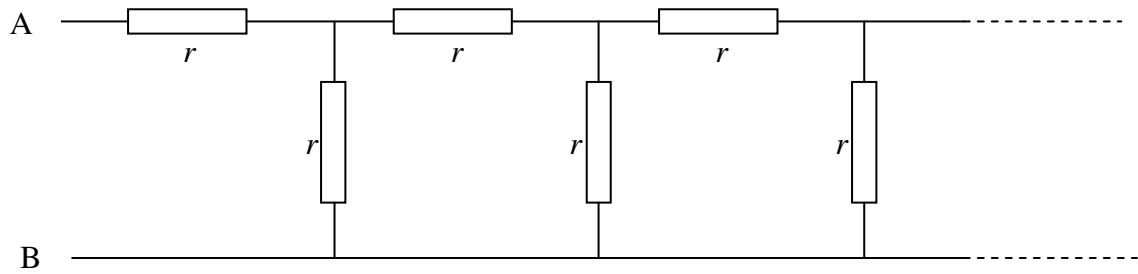


Fig. 3