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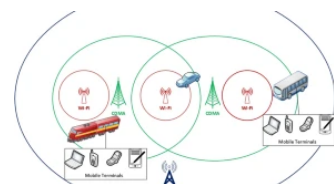
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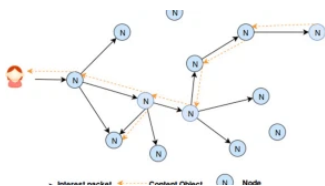


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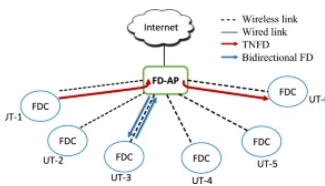


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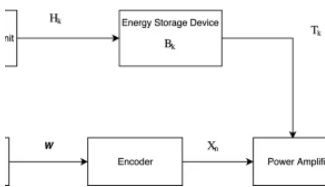


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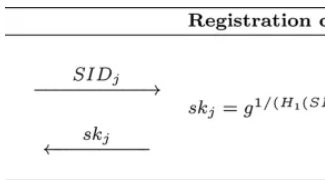
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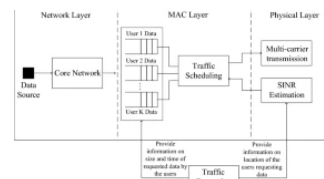
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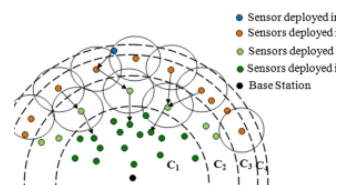
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CHARGING SUBREGION CREATION

$k$  is the number of charging subregions  $C = \{C_1, C_2, \dots, C_k\}$

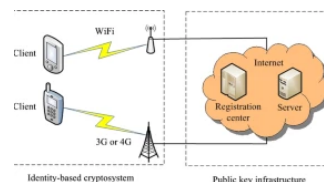
forwards its data to base station in multi-hop fashion using some standard routing algorithm

1 of each SN  $q_i$

SNs are applied to  $k$ -means algorithm to create  $k$  number of charging subregions. to energy replenishment according to its charging subregion.

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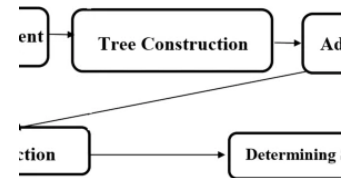


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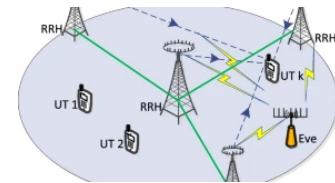


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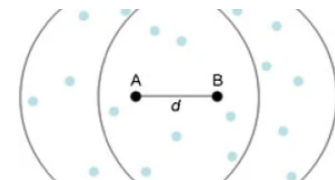


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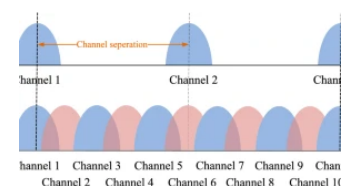


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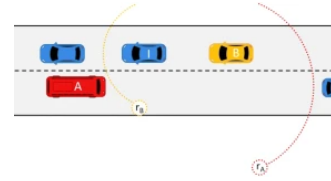


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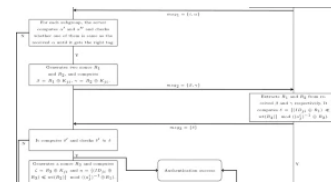


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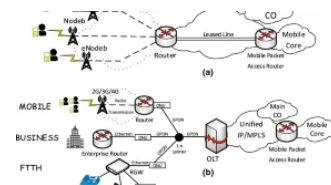


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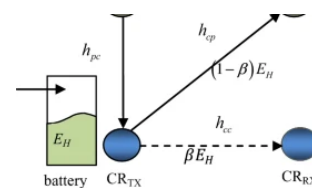


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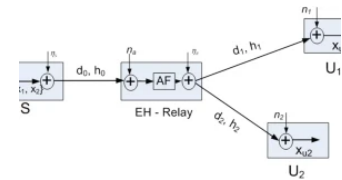


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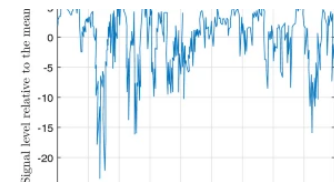


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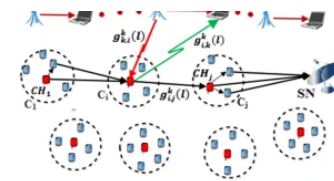


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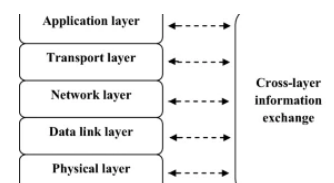


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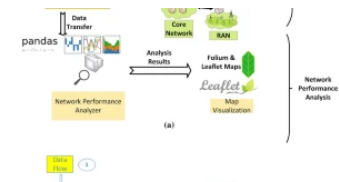


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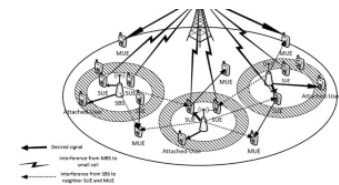


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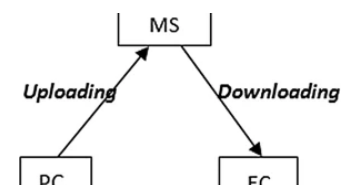


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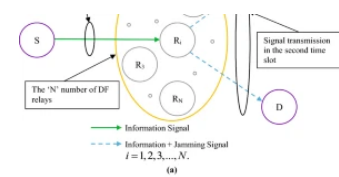


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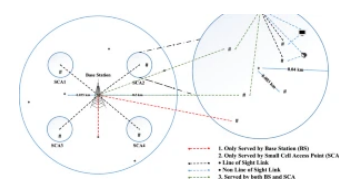
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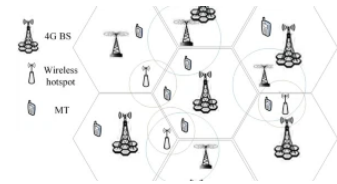
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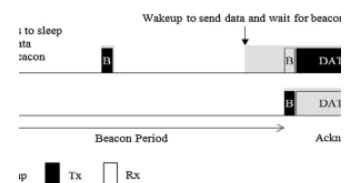
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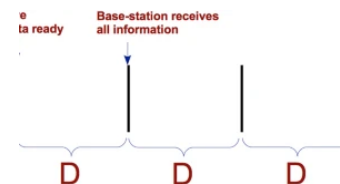
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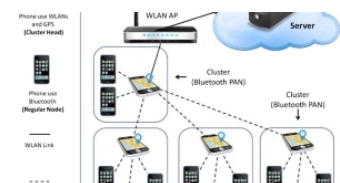
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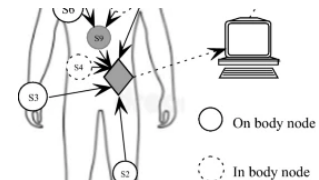


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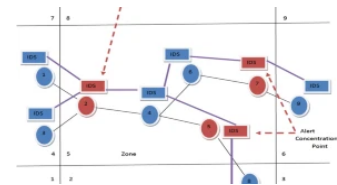


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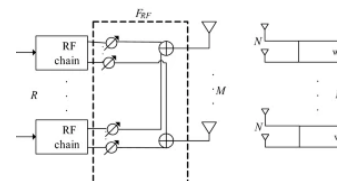


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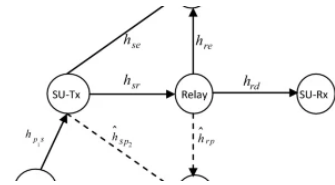


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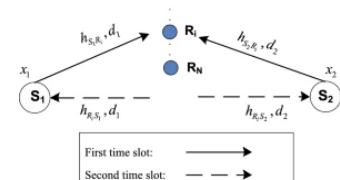


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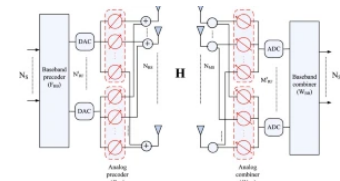


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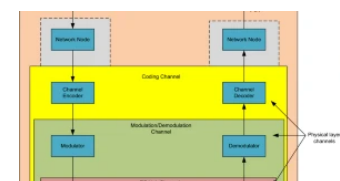


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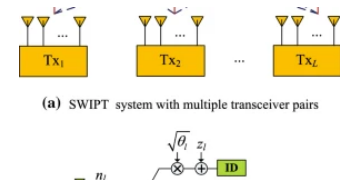
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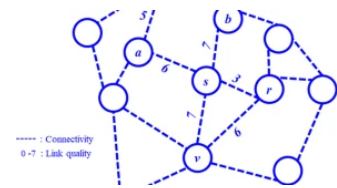
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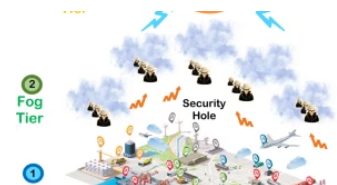
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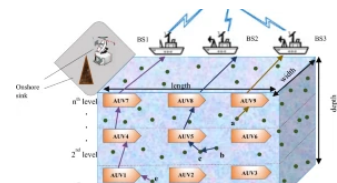
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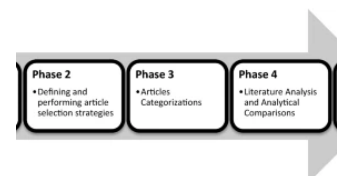
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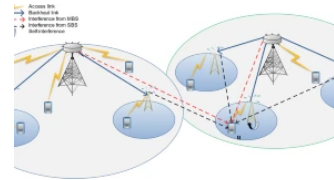


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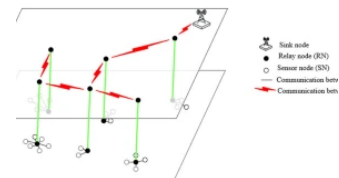


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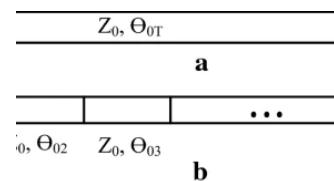


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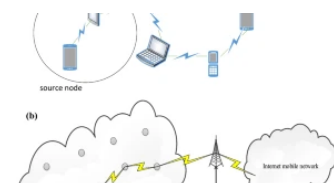


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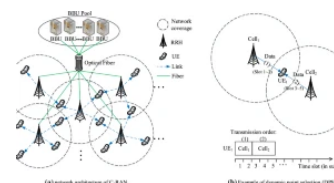
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