



Buffer		
Node	Count	Parent
i	1	d
j	3	l
k	1	m
l	4	j
m	3	e
n	1	k

### Streaming edges

$e_1 = \{b, d\}$     Function 1  
 $e_2 = \{b, f\}$     Function 1  
 $e_3 = \{b, p\}$     Function 2  
 $e_4 = \{d, i\}$     Function 3  
 $e_5 = \{m, p\}$     Function 4  
 $e_6 = \{p, q\}$     Function 5  
 $e_7 = \{k, n\}$     Function 6  
 .  
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Sample Graph  $G_s = (V_s, E_s)$  and its current community structure  $C_s = \{C_1, C_2\}$