**First-Stage Scheduling Algorithm**

1. Backlog\_min = Original\_backlog;
2. Serving\_BS = Original\_BS;
3. for i = 1 to BS\_num
4.   if ( backlog[i] < Backlog\_min ) {
5.     Backlog\_min = backlog[i];
6.     Serving\_BS = i;
7.   }
8. End for
9. New\_BS = Serving\_BS;