Parallelize the following sequential code by parallelizing the two for-loops indicated.

```
/*************************
        n and edge[n][n], where n is the number of vertices of a graph
        edge[i][j] is the length of the edge from vertex i to vertex j
Output: distance[n], the distance from the SOURCE vertex to vertex i.
 *****************************
void HW3(int SOURCE, int n, int **edge, int *distance) {
 int i, j, count, tmp, least, leastPos, *found;
 found = (int *) calloc( n, sizeof(int) );
 for(i=0; i<n; i++) {
   found[i]= 0;
   distance[i] = edge[SOURCE][i];
 found[SOURCE] = 1;
 count = 1;
 while( count < n ) {</pre>
   least = 987654321;
   for (i=0; i< n; i++) { // <-- parallelize this loop}
     tmp = distance[i] ;
     if( (!found[i]) && (tmp < least) ) {</pre>
       least = tmp ;
       leastPos = i ;
     }
   }
   found[leastPos] = 1;
   count++;
   for (i=0; i< n; i++) { // <-- parallelize this loop}
     if(!(found[i]))
        distance[i] = min(distance[i], least+edge[leastPos][i]);
  } /*** End of while ***/
 free(found) ;
}
```