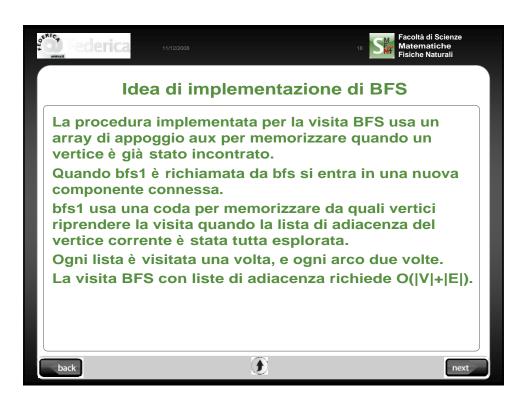


```
Facoltà di Scienze
Matematiche
Fisiche Naturali
                            Il codice per BFS
void bfs(struct graph *g) {
   int i, *aux = calloc(g->V,sizeof(int));
   if(!aux) { printf("Errore di Allocazione\n"); }
   else {
       for(i = 0; i < g->nv; i++)
if(!aux[i]) { printf("\n%d,",i+1); bfs1(g,i,aux); }
       free(aux); }
void bfs1(struct graph *g, int i, int *aux) {
   edge *e;
   intqueue *q = createqueue();
   enqueue(q,i);
   while(!emptyq(q)) {
       i = dequeue(q);
        aux[i] = 1;
        for(e = g->adj[i]; e; e = e->next)
       if(!aux[e->key]) {
            enqueue(q,e->key); printf("%d,",e->key); aux[e->key] = 1; }}
   destroyqueue(q);}
                                          •
  back
                                                                                 next
```



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