

entry:

```
%29 = load s.addr  
idxprom = sext %29  
arrayidx = getelementptr stack 0 idxprom  
%30 = load arrayidx  
cmp = icmp %30 0  
br cmp if.else if.then
```

if.else:

```
call Error  
br if.end
```

if.then:

```
%31 = load s.addr  
idxprom1 = sext %31  
arrayidx2 = getelementptr stack 0 idxprom1  
%32 = load arrayidx2  
idxprom3 = sext %32  
arrayidx4 = getelementptr cellspace 0 idxprom3  
discsize = getelementptr arrayidx4 0 0  
%33 = load discsize  
%34 = load s.addr  
idxprom5 = sext %34  
arrayidx6 = getelementptr stack 0 idxprom5  
%35 = load arrayidx6  
idxprom7 = sext %35  
arrayidx8 = getelementptr cellspace 0 idxprom7  
next = getelementptr arrayidx8 0 1  
%36 = load next  
%37 = load freelist  
%38 = load s.addr  
idxprom9 = sext %38  
arrayidx10 = getelementptr stack 0 idxprom9  
%39 = load arrayidx10  
idxprom11 = sext %39  
arrayidx12 = getelementptr cellspace 0 idxprom11  
next13 = getelementptr arrayidx12 0 1  
%40 = load s.addr  
idxprom14 = sext %40  
arrayidx15 = getelementptr stack 0 idxprom14  
%41 = load arrayidx15  
%42 = load temp  
%43 = load s.addr  
idxprom16 = sext %43  
arrayidx17 = getelementptr stack 0 idxprom16  
%44 = load temp1  
br return
```

if.end:

```
br return
```

return:

```
%45 = load retval  
ret %45
```