

procedure *copy*(*ref*) :

if *cellType*(*ref*) *is cons*:

if *ref* *is live and has not been copied using reachability*:

newRef = *dupHeapcell*(*ref*);

newCar = *copy*(*ref.car*);

newRef.car = *newCar*;

newCar = *copy*(*ref.cdr*);

newRef.cdr = *newCar*;

else:

cell = **NULL** ;

else:

if *cellType*(*ref*) *is closure and has not been copied*:

newRef = *copyAndMarkReachableCells*(*ref*);

copyReferencesOnPrintStack();