b. $U_3 = 71\,136,38$
$U_4 = 69\,770,47$
$U_5 = 68\,363,58$
$U_6 = 66\,914,49$
$U_7 = 65\,421,92$
$U_8 = 63\,884,58$
$U_9 = 62\,301,12$
$U_{10} = 60\,670,15$
$U_{11} = 58\,990,26$
$U_{12} = 57\,259,96$
$U_{13} = 55\,477,76$
$U_{14} = 53\,642,09$
$U_{15} = 51\,751,36$
$U_{16} = 49\,803,90$
$U_{17} = 47\,798,02$
$U_{18} = 45\,731,96$
$U_{19} = 43\,603,91$
$U_{20} = 41\,412,03$
$U_{21} = 39\,154,39$
$U_{22} = 36\,829,02$
$U_{23} = 34\,433,90$
$U_{24} = 31\,966,91$
$U_{25} = 29\,425,92$
$U_{26} = 26\,808,70$
$U_{27} = 24\,112,96$
$U_{28} = 21\,336,35$
$U_{29} = 18\,476,44$
$U_{30} = 15\,530,73$
$U_{31} = 12\,496,65$
$U_{32} = 9\,371,55$

The volume of uncut wood will be under $10,000\ m^3$ in year 32.

c- The forest is getting smaller and smaller. Each years, the trees grow a little, but people cut a lot of wood so $3,500\ m^3$. The trees don't grow fast enough to replace what is taken. So there is less and less wood in the forest. If this continues, there will be almost no wood left in the future.