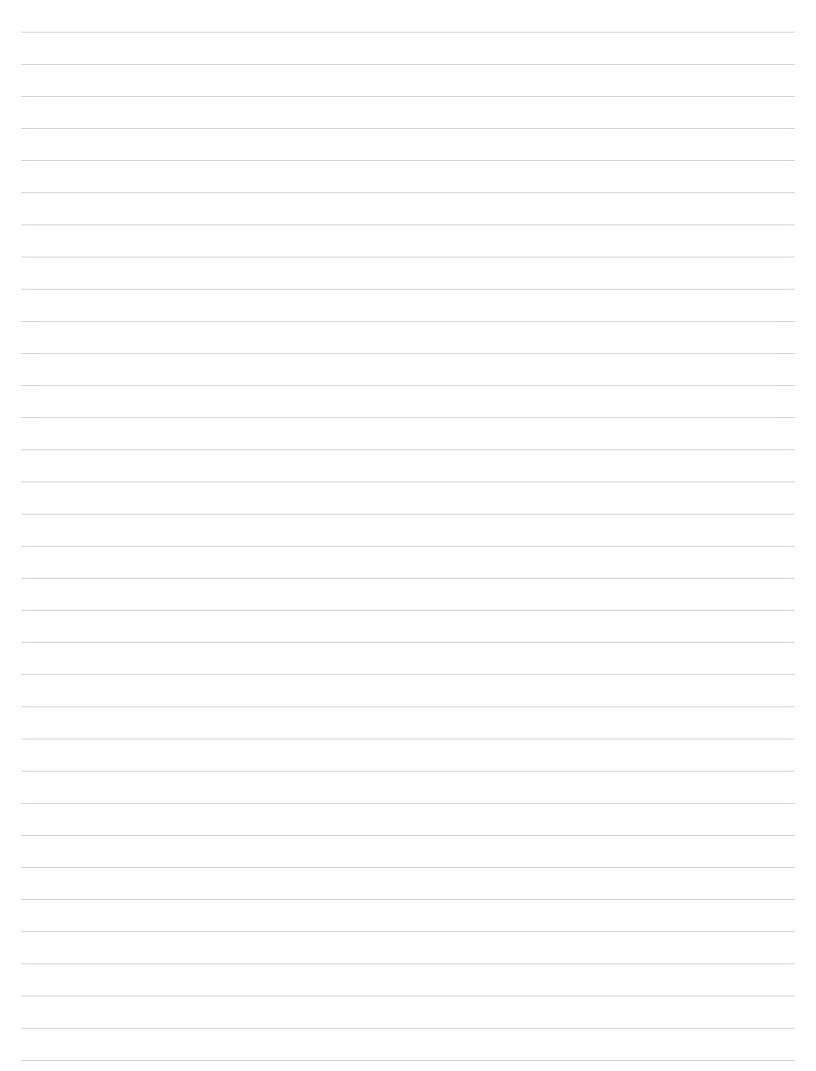
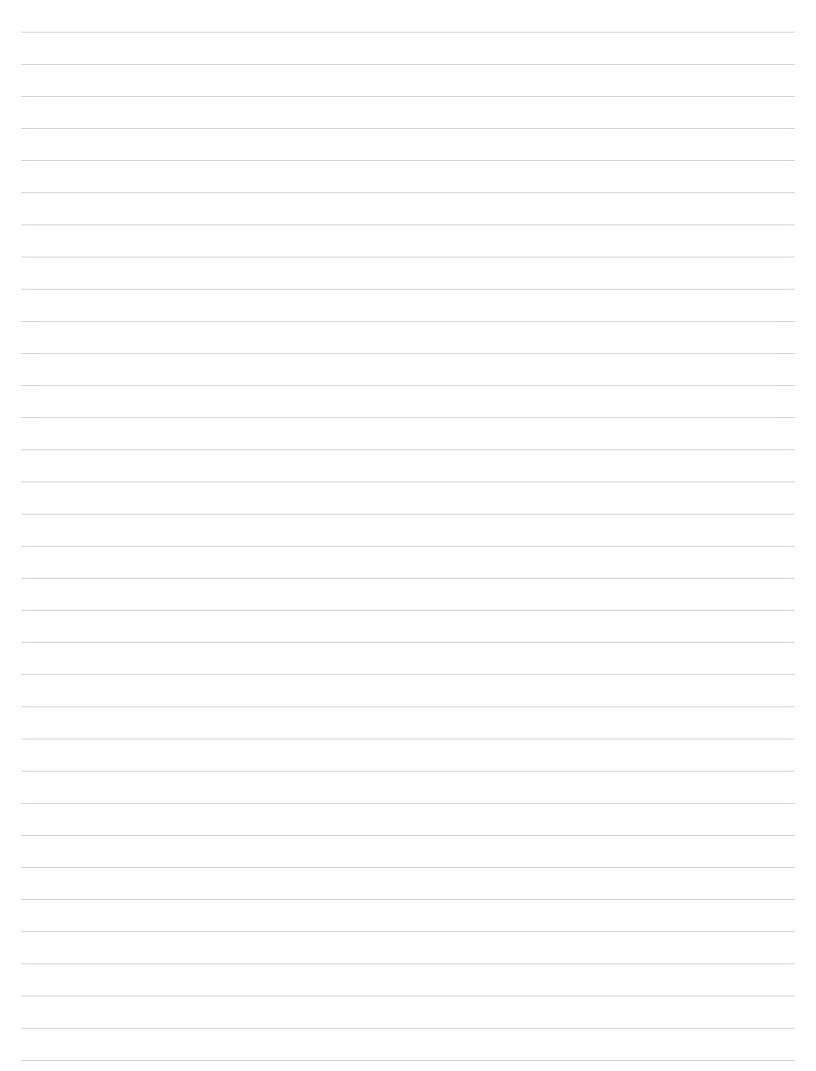
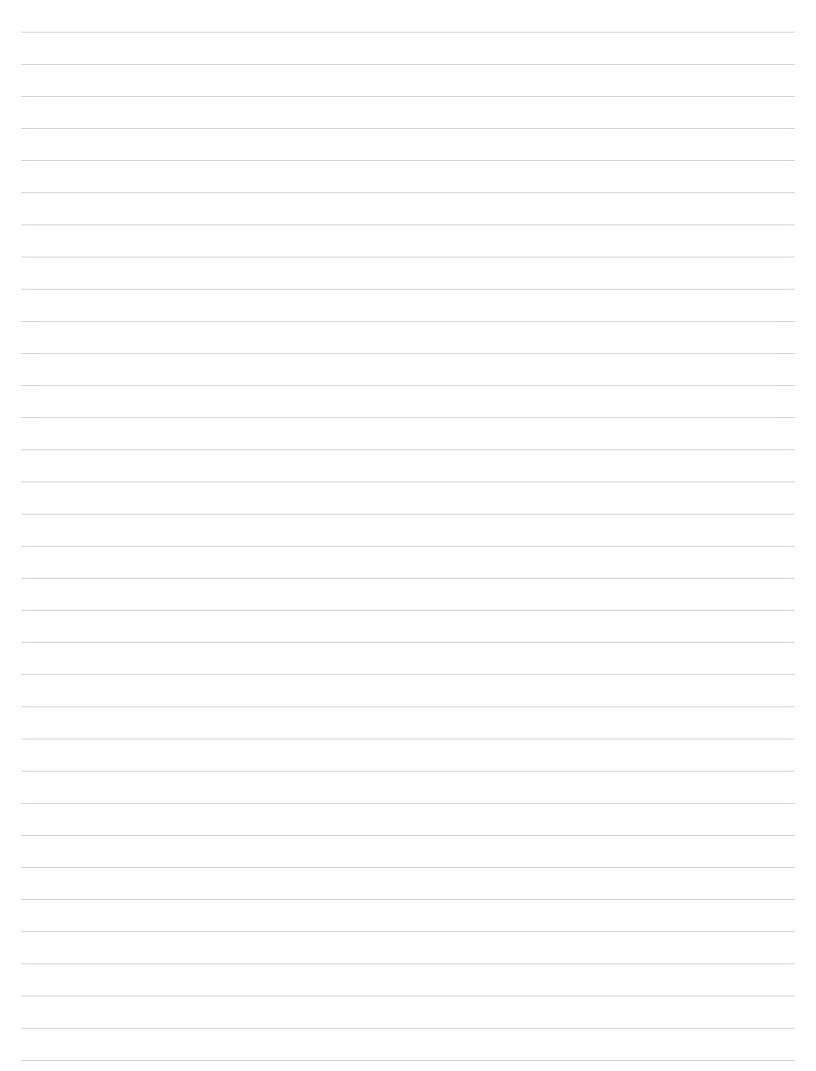
EXERCISE 2 Show that the multiplication in cure et a E III is unique.
(Hint: first prove that
8,b, m e #+: (m/ab) ~ (god(2,n)=1) => (n/b))

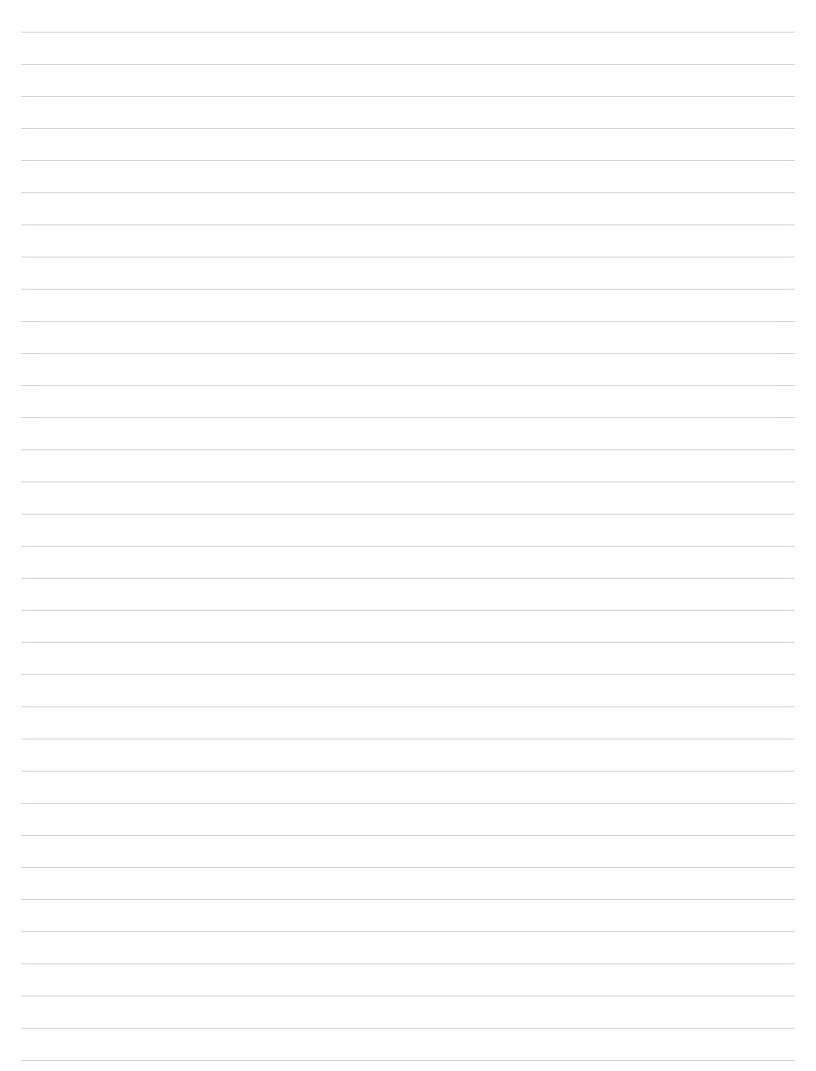


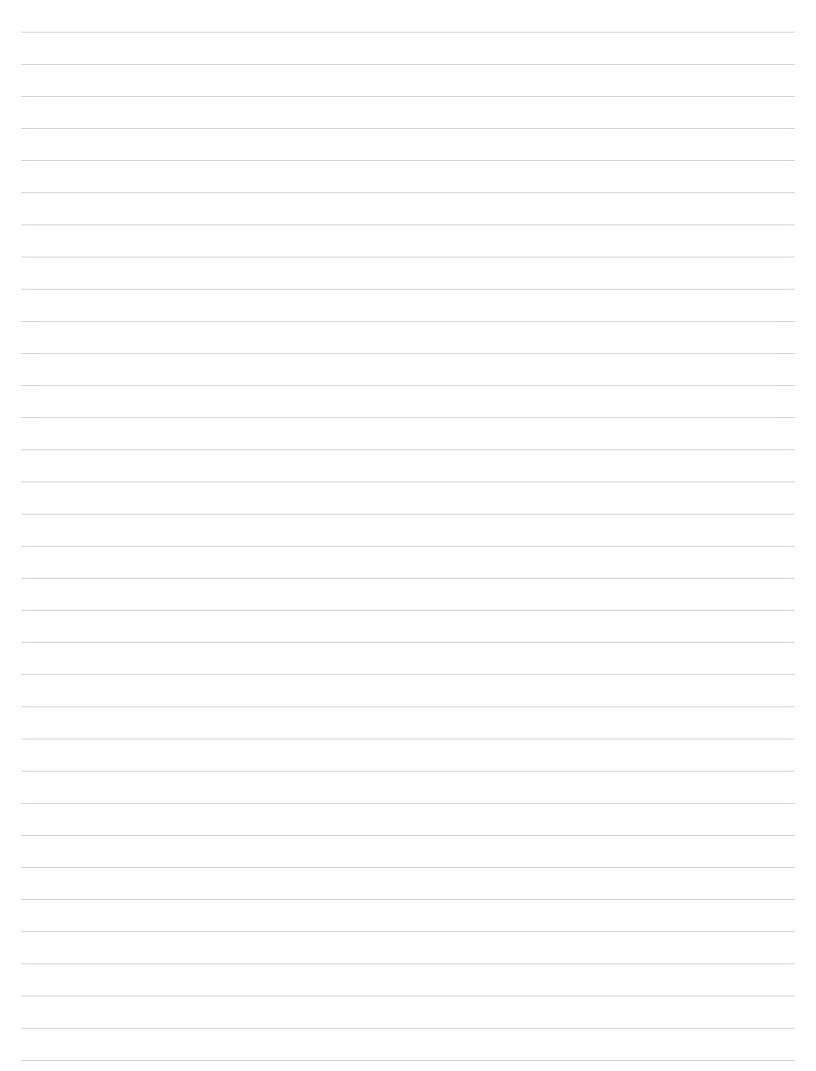
EXERCISE 3
For 2, 6 70 define their least comman
multiple lcm(0,6)=min{c>0!(0/c)1 (6/c)
Show that in . 2
land (0,6). god (0,6) = 0.6 and discuss the algorithmic implications

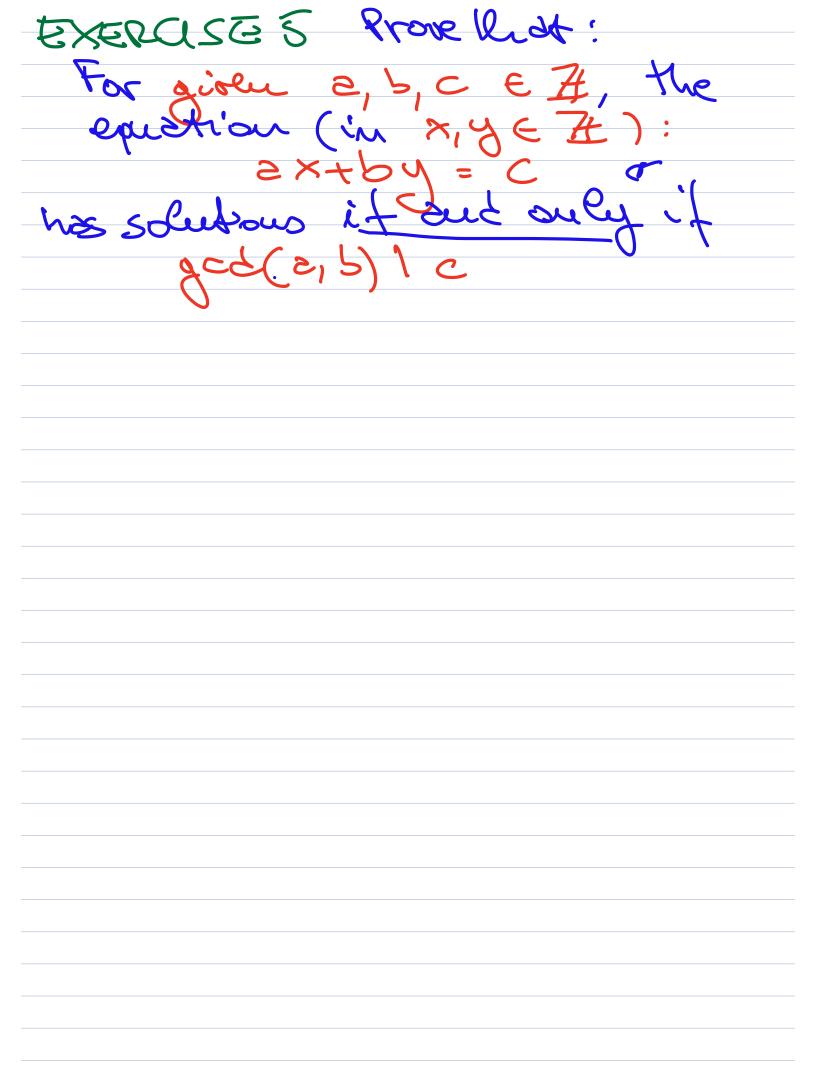


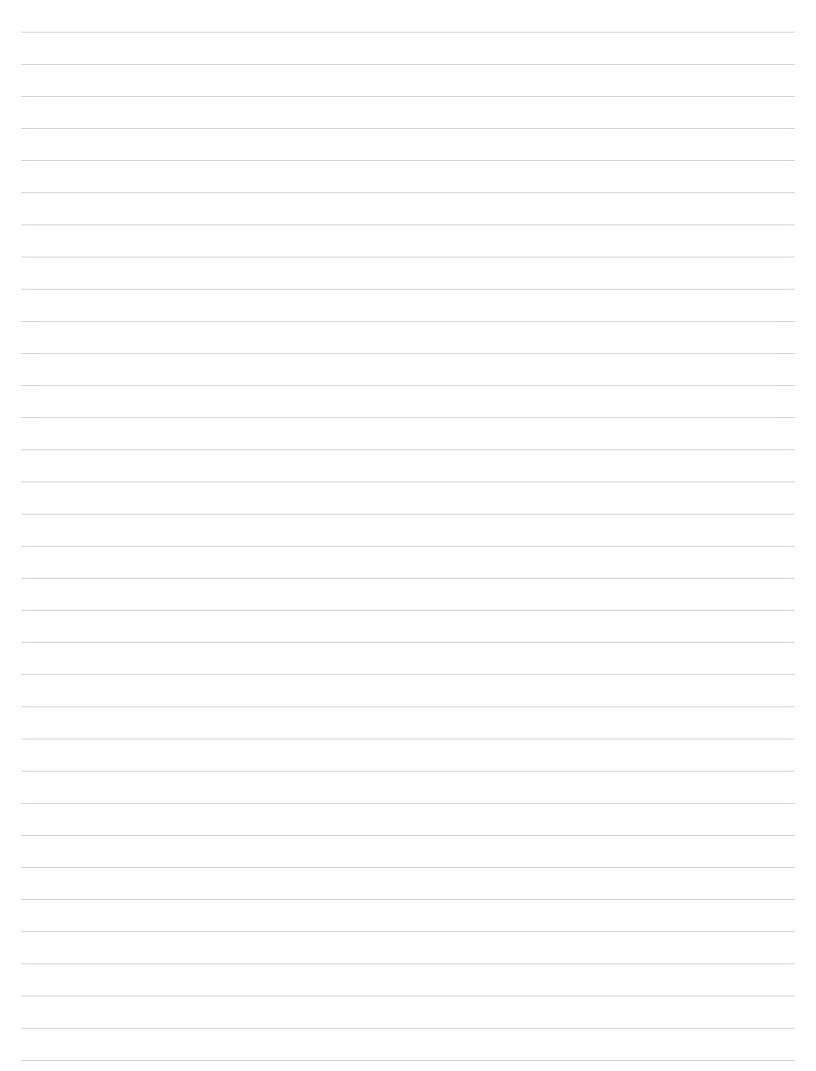


EXERCISE 4 Let M23. Determine the exact
member of recursive calls (including the
external one) executed by
EUCLID (FM, FM-A)
where Fi, i > 1, is the inth Fibrusca.
number and evaluate the running time
of the cell as a function of ICFn, Fn-1>1
of soil cacc as a formation of 1/11/11/21









d=8cg(s,p)=5x+ph