

ComS 342
Recitation 2, 10:00 Tuesday
Homework 9

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1) $Z = [1, 4, 6, 3, 6]$.

2a)

fib(0, 0).
fib(1, 1).

fib(N, Res) :-
 $N > 1$,
 N1 is N-1,
 N2 is N-2,

 fib(N1, R1),
 fib(N2, R2),

 Res is R1+R2.

2b)

rev(L, Res) :-
 revHelper(L, [], Res).

 revHelper([], Accum, Accum).
 revHelper([H—T], Accum, Res) :-
 number(H),
 revHelper(T, [H—Accum], Res);

 revHelper(H, [], Temp),
 revHelper(T, [Temp—Accum], Res).