```
num[c_] := Numerator[c]; den[c_] := Denominator[c]
alpha[n\_, c\_] := alpha[n, c] = den[c] (Floor[n/den[c]] - Floor[(n-1)/den[c]]) - Floor[n-1] - F
            num[c] (Floor[n / num[c]] - Floor[(n - 1) / num[c]])
Lm1[n_{-}, c_{-}] := (1/den[c]) Sum[If[alpha[j, c] == 0, 0,
                alpha[j,c] \; (\; Log[j/den[c]] - Lm1[den[c]n/j,c]) \; ], \; \{j,den[c]+1,den[c]n\}]
{j, den[c] + 1, den[c] n}]
{j, 1, nden[c]}]
 {LlmAlt[20, 3/2], N[Lm1[20, 3/2]]}
 \{-0.301201, -0.301201\}
 {N[E1[88, -1, 3/2]], N[Em1[88, 3/2]]}
 {E1[88., -1., 1.5], 31.8931}
DiscretePlot[ Em1[n, 3/2], \{n, 1, 100\}]
                                                                           40
                                                                                                                                                80
                                                                                                                                                                                  100
 -20
 -40
```