

Analysis Find the position whome the cycle starts Input Datput Node (2) Node (1) null fast and slow meet Head $(M+S)*2 = M+S*aK, a \in M, a > 1$ \Rightarrow M+S = a K $ak-S = a'k+(k-S), a'\in M$ After fast and slow pointers meet

Let slow back to head, set both pointer speed to 1, and the place they meet again is the start of the cycle