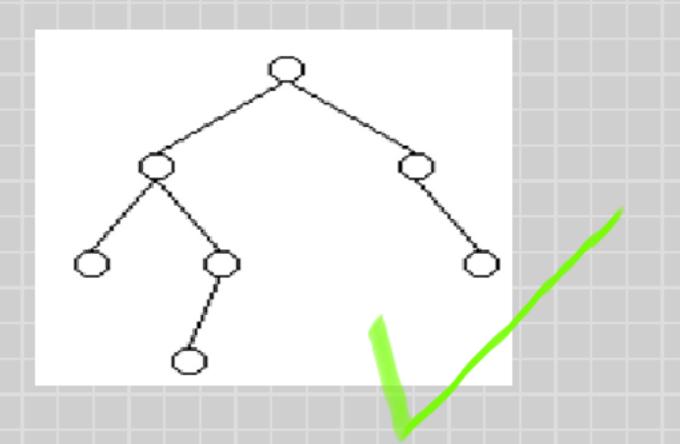
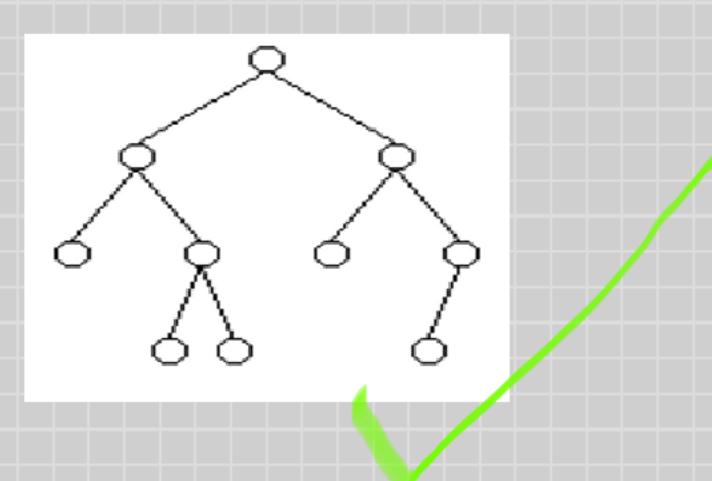
# A kiegyensúlyozott bináris keresőfa – AVL fák (Avl-fa; Adelszon-Velszkij és Landisz, 1962)

#### AVL fa:

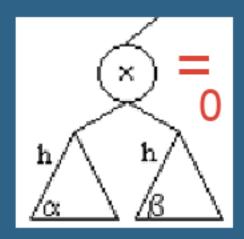
- bináris kereső fa
- minden pontjára igaz az AVL tulajdonság
  - h(p→right) h(p→left)<=1</li>

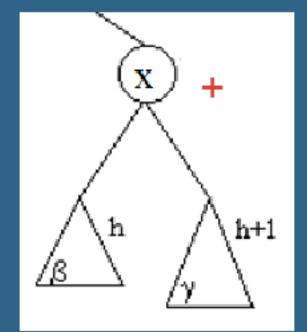
Feladat: Döntsük el, hogy az alábbi bináris fák AVL tulajdonságúak-e!

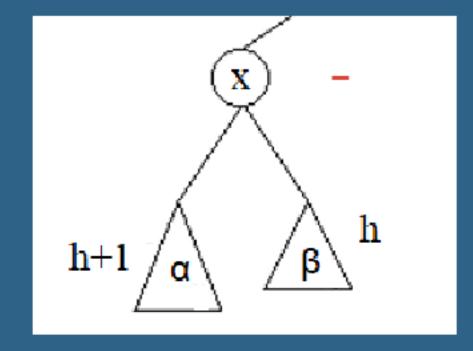




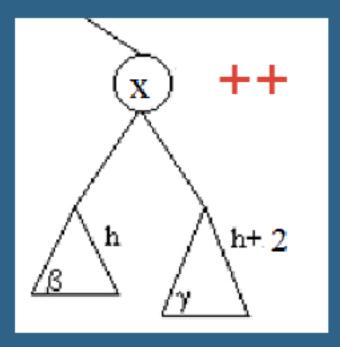
#### AVL fa

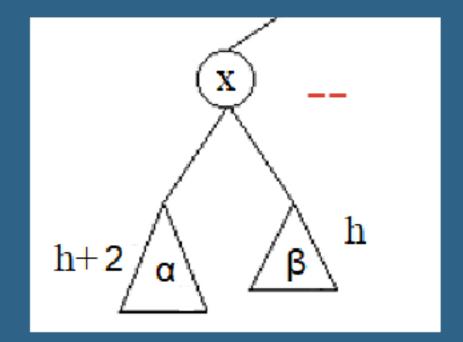


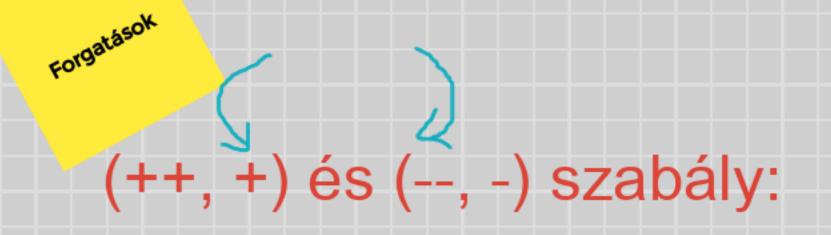


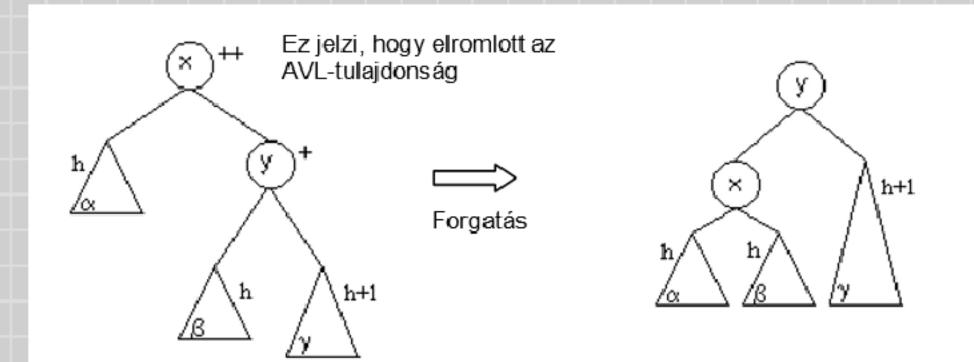


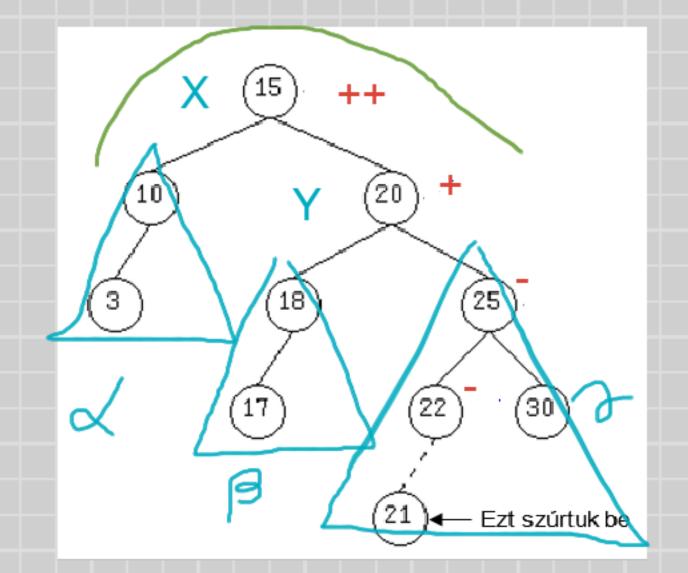
### Forgatás kell



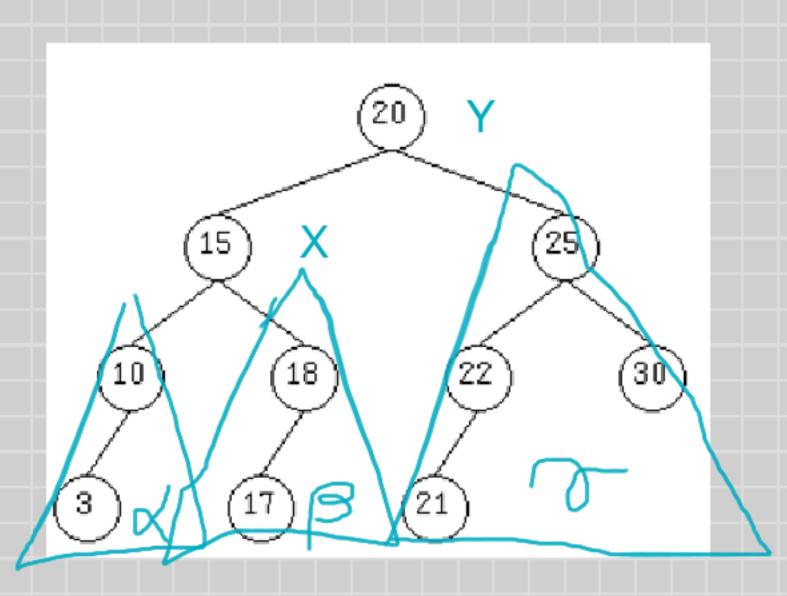


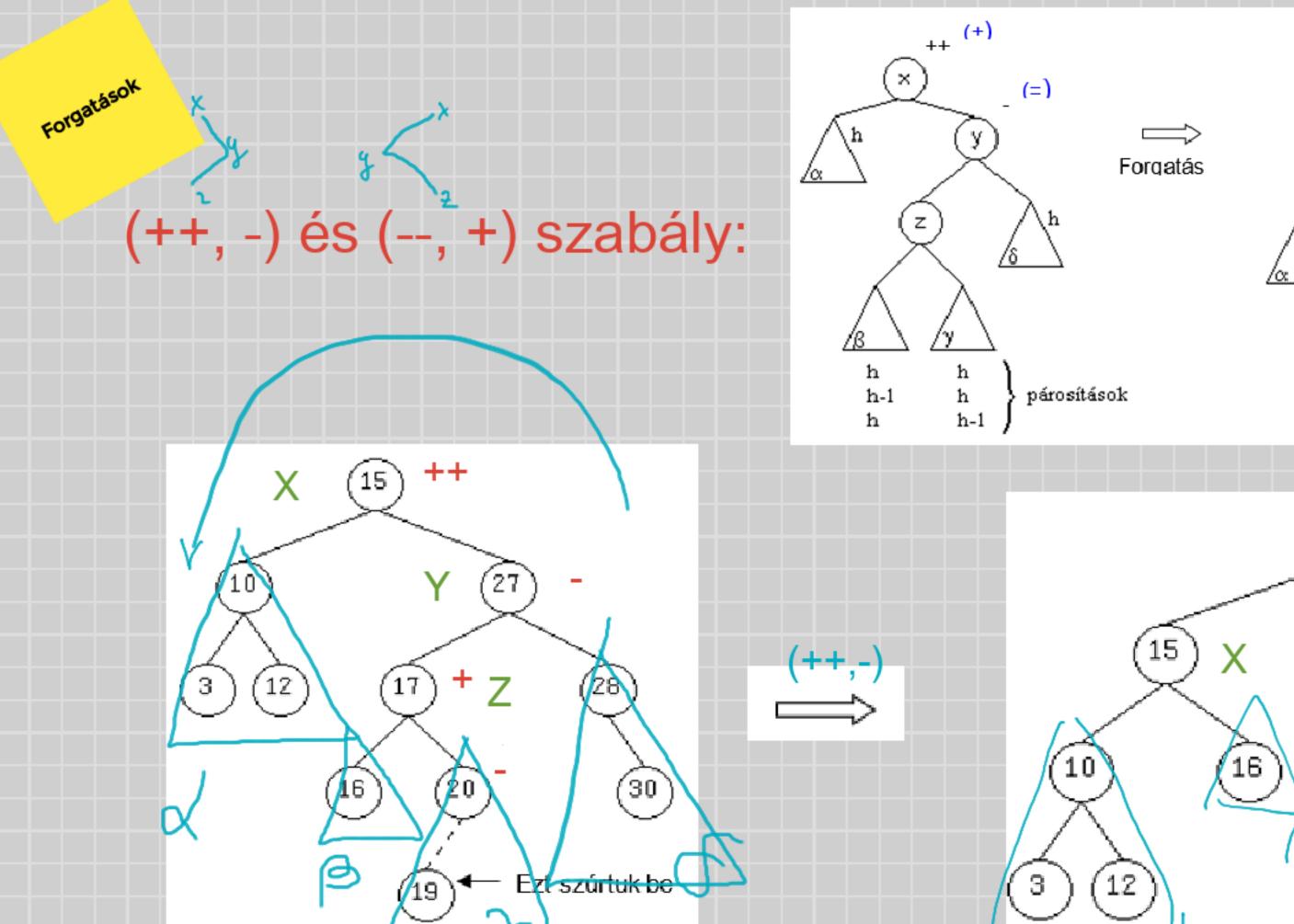


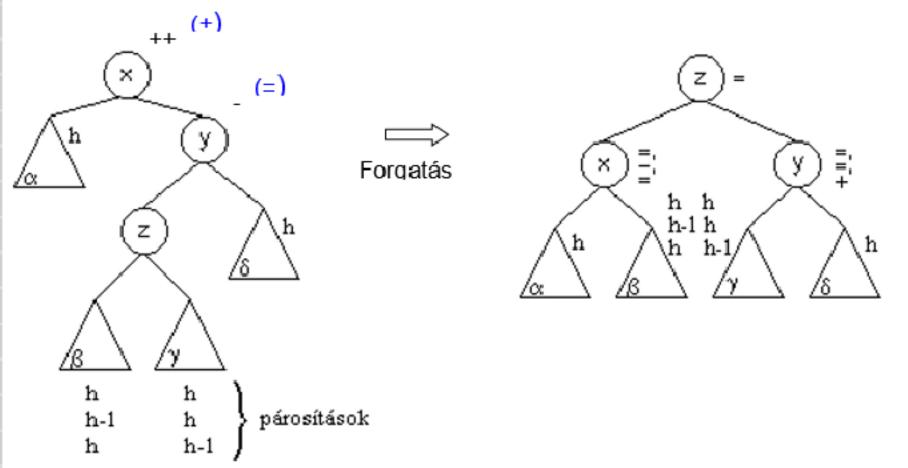


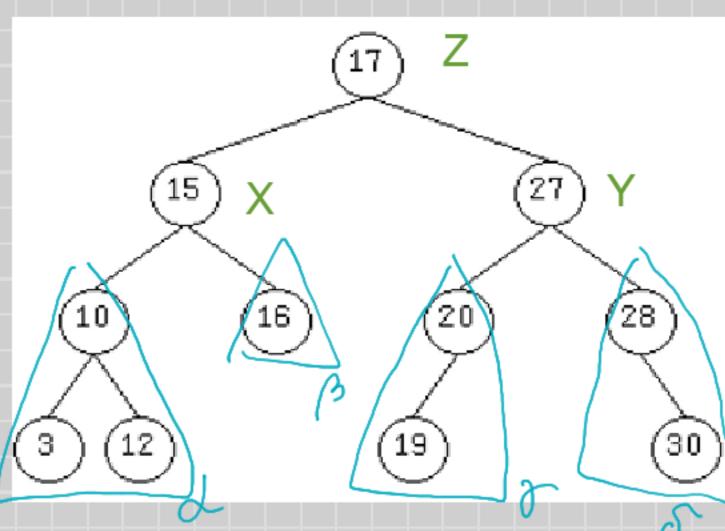






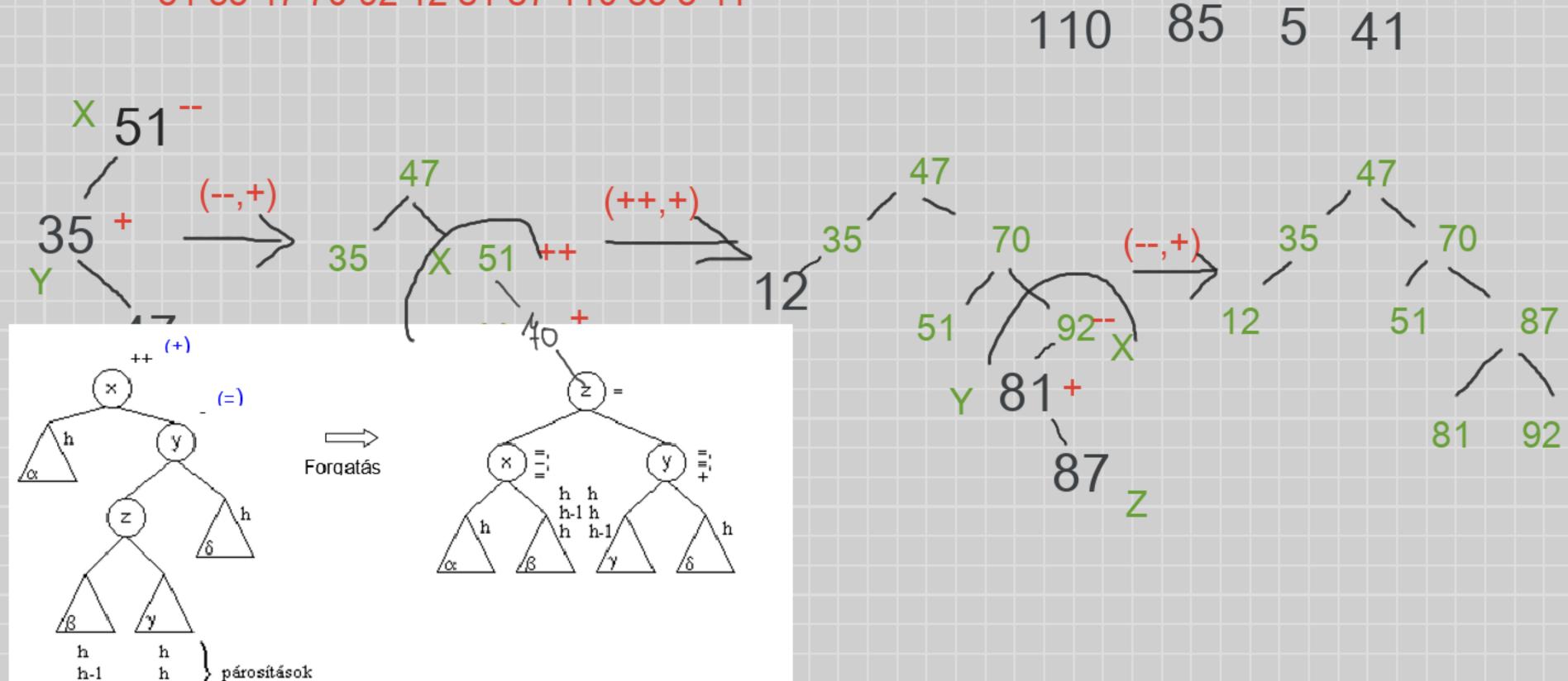






## Építsünk AVL fát a következő elemekből:

51 35 47 70 92 12 81 87 110 85 5 41



110 85 5 41

47 35 70 12 51 87 81 92