

# Relationen mellan talen

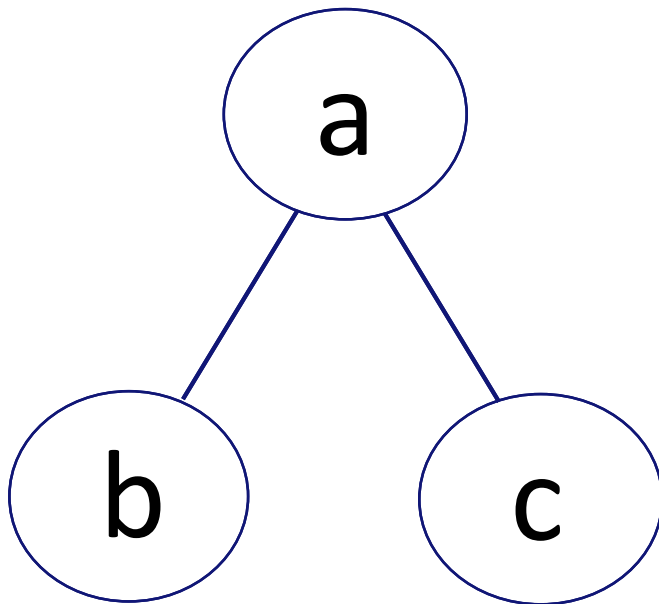
Lärarnas forskningskonferens 2017

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A stylized illustration of a classroom. In the foreground, a young boy with dark hair is looking towards the left. Behind him, another student is partially visible. In the background, a teacher with short brown hair is looking towards the students. The scene is set in a classroom with wooden lockers and a whiteboard. The overall style is flat and colorful.
$$(-5) - (-8) =$$

$$5 - 8 =$$

$$a - b =$$



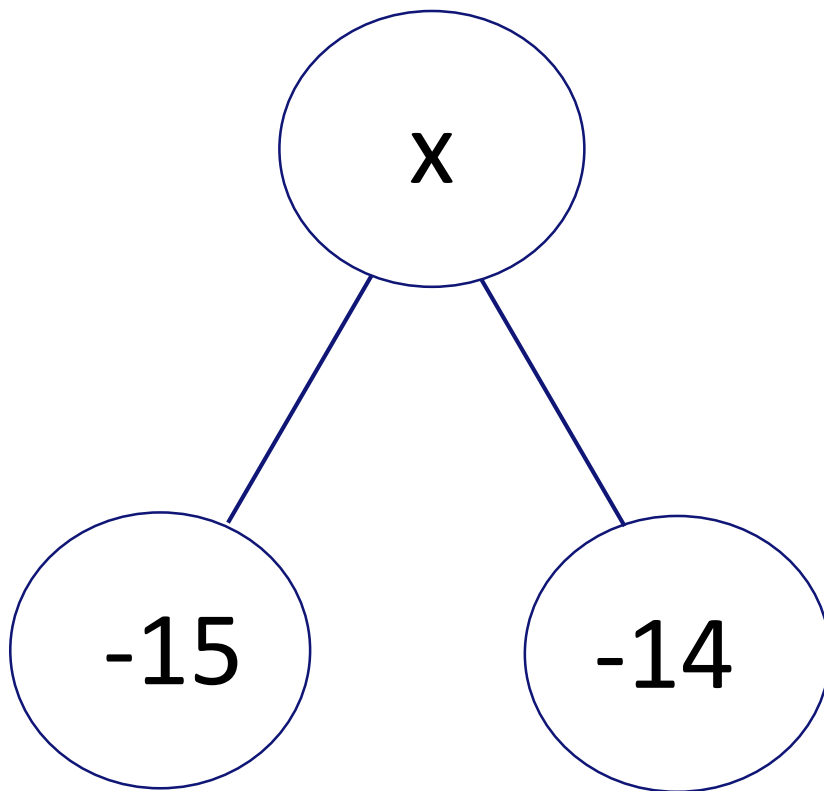
$$a - b = c$$

$$c + b = a$$

$$b + c = a$$

$$a - c = b$$

$$x - (-15) = (-14)$$



$$x - (-15) = (-14)$$

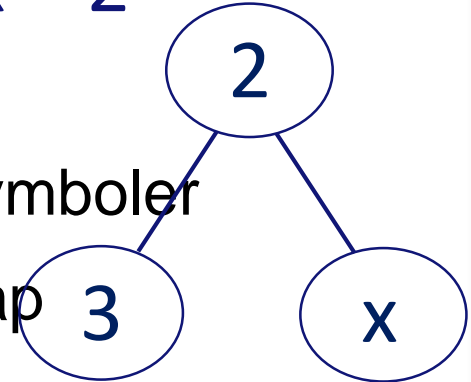
$$(-14) + (-15) = x$$

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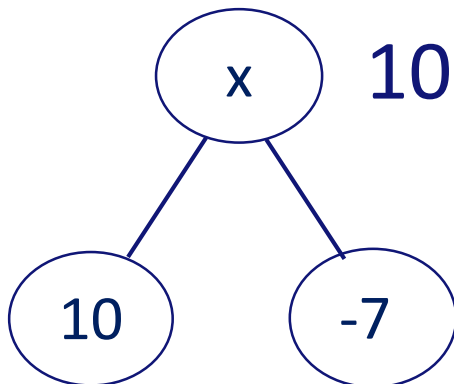
$$x - (-14) = (-15)$$

# Tentativa resultat

$$3 + x = 2$$

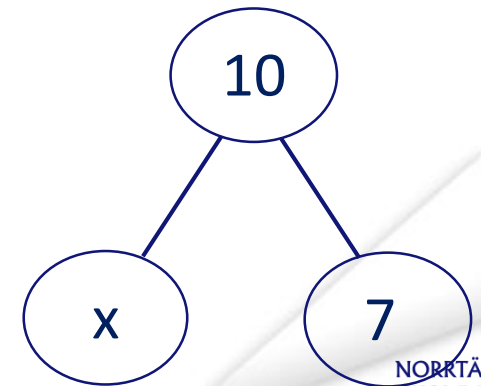


- Specifika tal vs generella strukturer och symboler
- Lärandemodellen – ett medierande redskap
- Negativa tal: existens och operander
- Inlärd regel/strategi vs relation/lärandemodell
- Kopplade bokstäver till placering i alfabetet

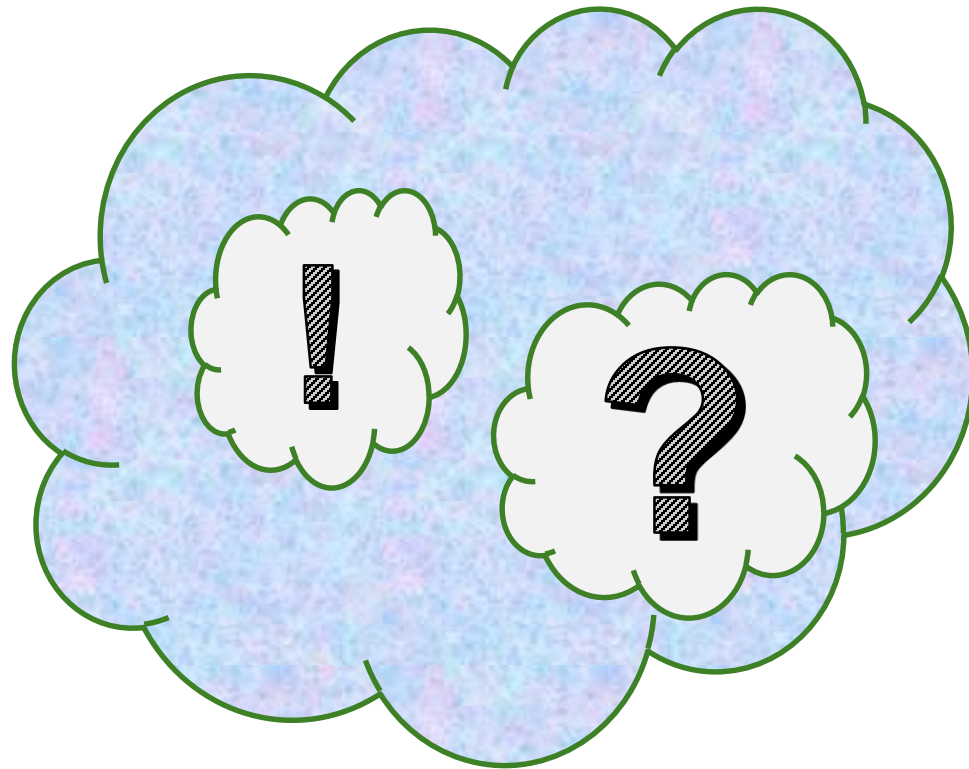


$$10 = x - (-7)$$

$$10 = x + 7$$



# Frågor, kommentarer och reflektioner?



# Tack!

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