



CSE 20 Discussion



Agenda

- Reminders / Logistics
- Reading Quiz Questions
- Homework Questions (if time allows)



Reminders

- #FinAid
- Schedule T1A1, T2A1 at PrairieTest
- Reading Quiz 1 is due at 11:59pm tonight
- Reach out to homework group
- Homework 1 is due Thursday at 5pm, late due on Friday 8am.



Practice Questions



Reading Quiz 1.4

Basis Step: $9 \in \mathbb{Z}$

Recursive Step: If $x \in \mathbb{Z}$, then $x + 5 \in \mathbb{Z}$ and $x - 4 \in \mathbb{Z}$

What if instead of $x + 5$ and $x - 4$, we have $x + 2$ and $x - 4$? Is it still possible to get \mathbb{Z} ?

Challenge: What other numbers can you use and still end up with \mathbb{Z} ? Can you exactly characterize this?



Extra Practice (might be useful)

Let A be a set of strings, $A = \{a, aa, b, ab\}$ over the alphabet $\{a, b\}$. Let E be the empty set, $E = \{\}$.

What is the result of set-wise concatenating A and E ?

Hint: refer to the definition of set-wise concatenation.