

|           | FAST Types               |   |                                     | FAST Values  |  |                                       |
|-----------|--------------------------|---|-------------------------------------|--|--|---------------------------------------|
|           | binary                   | numeric                                   | symbolic                            | binary   | numeric  | symbolic                              |
| constants | $0, 1$<br>Bool           | $n \in \mathbb{N}$<br>Integer             | $\Sigma^*$<br>String                | $\bullet$<br>$()$  | $k < n$<br>Integer   | $a \in \Sigma^*$<br>Sym               |
| sums      | $A + B$<br>Lft T   Rgt T | $A + B + \dots + Z$<br>[T]                | $(\Sigma \times T)^*$<br>[(Sym, T)] | <i>"an a or a b"</i><br>Lft val <sub>T</sub><br>Rgt val <sub>T</sub> | $(k, v)$<br>(Integer, val <sub>T</sub> )                     | $(a, v)$<br>(Sym, val <sub>T</sub> )  |
| products  | $A \times B$<br>(T, T)   | $A \times B \times \dots \times Z$<br>[T] | $(\Sigma \times T)^*$<br>[(Sym, T)] | $(a, b)$<br>(val <sub>T</sub> , val <sub>T</sub> )                   | $\langle a, b, \dots, c \rangle$<br>[val <sub>T</sub> , ...] | ??<br>[(Sym, val <sub>T</sub> ), ...] |
| functions | <i>( not yet ... )</i>   |   |                                     | <i>( not yet ... )</i>   |  |                                       |