```
? strut-
ture dati Suc-
cinte N \log N + o(\log N) n n + o(n) N = n n bitvec-
       \begin{array}{l} \textbf{pitvector} \\ \textbf{bitvector} \\ B[i] \in \{0,1\}, \ \forall i 0 \leq i < n \end{array}
       B[i] \in \{\bot, \top\}, \ \forall \, i0 \leq i < n
      ran-
dom
dess
Suc-
cinct
Data
Struc-
ture
Li-
brary
(SDSL)
???

\begin{array}{c}
\text{bitvec-}\\
\text{tor}\\o(n)
\end{array}

      egin{array}{l} o(n) \\ bitvector \\ d = \\ d = \\ m \\ klock \\ size \\ inter-leave \\ \end{array}
                                                                   Spazio occupato 64 \left\lceil \frac{n}{64} + 1 \right\rceil
                         Variante
                    Plain bitvector
                                                                          \approx n \left(1 + \frac{64}{K}\right)
            Interleaved\ bit vector
                                                                          \approx \lceil \log nm \rceil
       H_0-compressed bitvector
                 Sparse\ bitvector
                                                                     \approx m \left(2 + \log \frac{n}{m}\right)
       rango
B
      bitvec-
tor
       _{B}(i) = \sum B[k], \ \forall \, i0 \leq i < n
       o(n)
       \mathcal{O}(1)
       \begin{array}{c} \tilde{r}ank\\ sam-\\ ple \end{array}
                                                                   Bit aggiuntiviComplessità temporale
                         Variante
                                                                                                                                        \mathcal{O}(1) \\ \mathcal{O}(1) 
                   Plain\ bitvector
                                                                           0.0625 \cdot n
                                                                                   128
             Interleaved bitvector
        H_0-compressed bitvector
                                                                                    80
                                                                                                                                      \mathcal{O}(k)
                                                                                                                                \mathcal{O}\left(\log \frac{n}{m}\right)
                 Sparse\ bitvector
                                                                                    64
```

Bit aggiuntiviComplessità temporale Variante