```
strut-
ture
dati
suc-
       çinte

\begin{array}{c}
    n \\
    o(n) \\
    N = \\
    \vdots \\
    \vdots
\end{array}

       bitvector
bitvector
B
        B[i] \in \{0, 1\}, \ \forall i 0 \le i < n
B[i] \in
(2)
random
cess
Succinct
Data
Structure
Library
(SDSI)
       B[i] \in \{\bot, \top\}, \ \forall \, i0 \leq i < n
       \overset{\text{``i}}{\mathcal{O}}(n)
       bitvector o(n)
       \begin{array}{c} bitvec-\\ tor\\ \sigma=\\ \sigma=\\ \end{array}
       m
K
block
size
in
ter
leave
                      Variante
                                                          Spazio occupato
                                                                  64\left[\frac{n}{64}+1\right]
                  Plain bitvector
                                                                 \approx n \left(1 + \frac{64}{K}\right)
            Interleaved bitvector
     Sparse bitvector rango
                                                                 \approx \lceil \log nm \rceil
       H_0-compressed bitvector
                                                            \approx m \left(2 + \log \frac{n}{m}\right)
       bitvec-
tor
       _{B}(i) = \sum_{k=0}^{k < i} B[k], \ \forall i 0 \le i < n
 (3)
      \begin{array}{c} o(n) \\ \mathcal{O}(1) \\ \vdots \\ H_0 \\ n = \\ m \\ k \end{array}
       \begin{array}{c} n\\ rank\\ sam-\\ ple \end{array}
                      Variante
                                                          Bit aggiuntiviComplessità temporale
                                                                                                                  \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
       _{B}^{D}(i) = \min\{j < n \mid rank_{B}(j+1) = 1\}, \ \forall i 0 < i \le rank_{B}(n)
```