```
uint64_t Bitwalker_Peek(unsigned int Startposition, unsigned int Length,
                        uint8_t *Bitstream, unsigned int BitstreamSizeInBytes)
{
  uint64_t __retres;
  uint64_t retval;
  unsigned int i;
  /*@ assert
      rte: unsigned_overflow:
        0 <= (unsigned int)(Startposition+Length)-(unsigned int)1;
  */
  /*@ assert rte: unsigned_overflow: 0 <= Startposition+Length; */
  /*@ assert rte: unsigned_overflow: Startposition+Length <= 4294967295; */
  if (((Startposition + Length) - (unsigned int)1) >> 3 >= BitstreamSizeInBytes) {
    __retres = (unsigned long long)0;
    goto return_label;
  }
  retval = (unsigned long long)0;
  i = Startposition;
  while (1) {
    /*@ assert rte: unsigned_overflow: 0 <= Startposition+Length; */
    /*@ assert rte: unsigned_overflow: Startposition+Length <= 4294967295; */
    if (! (i < Startposition + Length)) {
      break;
    }
    {
      uint8_t CurrentValue;
      /*@ assert rte: mem_access: \valid_read(Bitstream+(unsigned int)(i>>3));
      */
      /*@ assert rte: index_bound: (unsigned int)(i&(unsigned int)0x07) < 8;
      */
      CurrentValue = (unsigned char)((int)*(Bitstream + (i >> 3)) & (int)BitwalkerBitMaskTable[
                                     i & (unsigned int)0x07]);
      /*@ assert
          rte: unsigned_overflow:
            0 <=
            (unsigned long long)(retval<<1)+(unsigned long long)((unsigned char)
                                                                 ((int)
                                                                   ((int)CurrentValue!=0)));
      */
      /*@ assert
          rte: unsigned_overflow:
            (unsigned long long)(retval<<1)+(unsigned long long)((unsigned char)
                                                                 ((int)
                                                                   ((int)CurrentValue!=0)))
            <= 18446744073709551615;
      */
      retval = (retval << 1) + (uint64_t)((unsigned char)((int)CurrentValue != 0));
    }
    /*@ assert rte: unsigned_overflow: i+1 <= 4294967295; */
    i ++;
  }
  __retres = retval;
  return_label: return __retres;
}
```