```
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;</pre>
  /*@ assert rte: unsigned overflow: 0 <= Startposition+Length; */</pre>
  /*@ assert rte: unsigned overflow: Startposition+Length <= 4294967295; */</pre>
  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; */</pre>
    /*@ assert rte: unsigned overflow: Startposition+Length <= 4294967295; */</pre>
    if (! (i < Startposition + Length)) {</pre>
      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;</pre>
      CurrentValue = (unsigned char)((int)*(Bitstream + (i >> 3)) & (int)BitwalkerBitMaskTable[
                                      i & (unsigned int)0x07]);
      /*@ assert
          rte: unsigned overflow:
            (unsigned long long)(retval<<1)+(unsigned long long)((unsigned char)</pre>
                                                                       ((int)CurrentValue!=0)));
      /*@ assert
          rte: unsigned overflow:
            (unsigned long long)(retval<<1)+(unsigned long long)((unsigned char)</pre>
                                                                     ((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;
```