	Omkar Mcsuz
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	and side to the
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	The growing elements to upolary conditions not one
	the oray.
	al sometimes the
a. A. C.	ed sometimes, there grant not analys alements
	to calculate an distputant a de
	According to the deep day
	3) A typical approach to handling such a boundary
	condition is to define a defount value to
	the missing (Noticiments) to
	4) For most applications the defautr value is 0.
	These missing elements use typically referred
	to as ghost elements.
	5) There ghost elements can have significant impact
	on the complexity or officiency of filing.
	The size with Sizes County
	M(0) M(0) M(3) M(3) M(1) M(1) M(2) P(0) P(0) P(0) P(0) P(0) P(0) P(0) P(0
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02
    #irclude cotdio.no
    # locude cstdlib.bs
      const int N:
      global burdesprimes (int * mat, int "count);
    device infrience int Is Prime (int a);
    int main ( )
        point FC°C Enter value at NYh");
         Carl is post (se south one of their
           int anot [N] [N] togo thi
         for Cirtito Dic Nice
         Contain a said of a nothing
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          5, it and Draw of a pais in sent
          int " dinot to I count; to an a soul
          int size mat = N +N + size of (int) ,
           int size count: Size of Count );
              Conton was too too ton or
           coda Malloc ((vcid = 5) & d-mat size mot)
         Cudo Malloc ( Coold * d-count , size count);
             int wents o.
            endanemapy (d. mat, mat, size mat
            Cada Memery Least To Devide ).
             auda Memopy ( d. count & count, size count
                      cuda Memoprotosto Device).
            dims number of Blocks (N/2, N/2,1).
           ding number of Threads (1.1.1).
             boxdosprimes [LL number of Blocks . number of Threads
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TODO (demost demont):

```
cada Hemopy Count Quount d. rount Size rount
           anda Nemcen Device to Host )
    pointf( or wumber of primes; "led \n" go count);
     audofree (of mont)
      cadfree (decount);
     return O.
dlabal + void busday primes (int * mot int * count)
      int solp: thread Tolqua ablock Tolquax & block Dimon;
      int apu : thread I my + block Dim y + block Idny
      1 ( 2000 = 0 ) 1 8000 == N-1) 11 First ou or last
            if Cisp sime (mot Crow No 1)
                  atomicAdd (rount );
      else it (cal == 0 11 colo == N-1) / First cal or
                                        11 last col
           if (is Prime ( mat Crow N + rol]))
                 atomic Add (count, 1);
```

device is some (int a) return int flag = 0; 1 1 pos Cent (2; 12 = cel2; 12 7) if (no olal) se (D) so Potos & of other to Sporthy · Plag: 1; break, O pustor # the home his series voted by to telle return (! Plag); old 4. Snil brold + g. & Range at & to tal 1 Alan V* 000 2 1000) on 1921341 - 1801 6 . Mayor & labor work 1518/1-15 18 11 0 1 0 1 2 10 1 97 57/s Pr Amon Solt , most 110000 4000