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Level 4

迷失在互联网中

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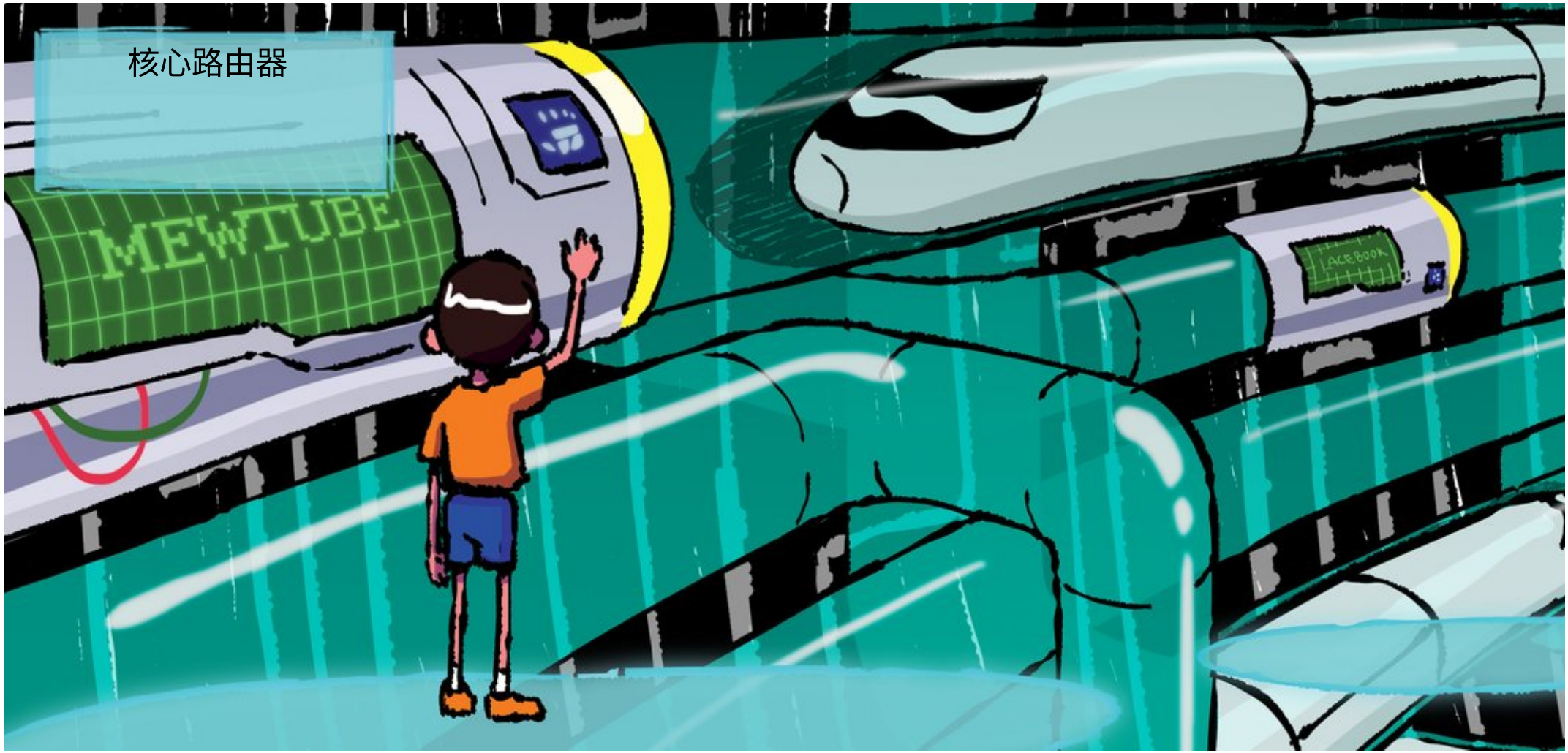
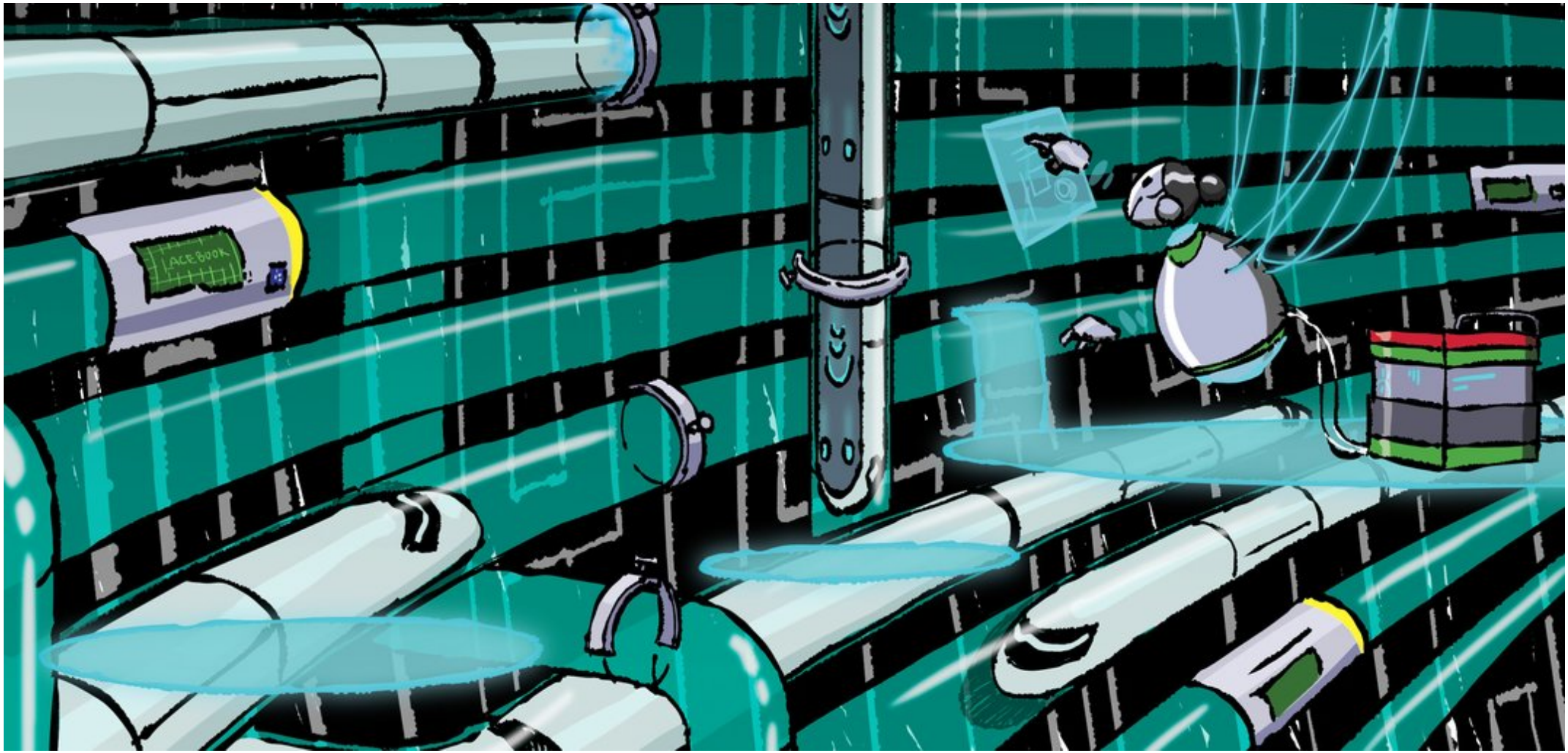
库纳尔非常喜欢上网。他经常用他妈妈的手机去看视频。“不要看太久，不然你会陷进去”妈妈提醒他。

起初，库纳尔看了一部忍者的卡通片。接着，他看了火山喷发的视频。随后，他看了一位小宝宝跟狗狗玩的视频。在观看每段视频的时候，库纳尔的距离屏幕越来越近。
突然-呜呜呜！库纳尔钻入到了互联网里面。



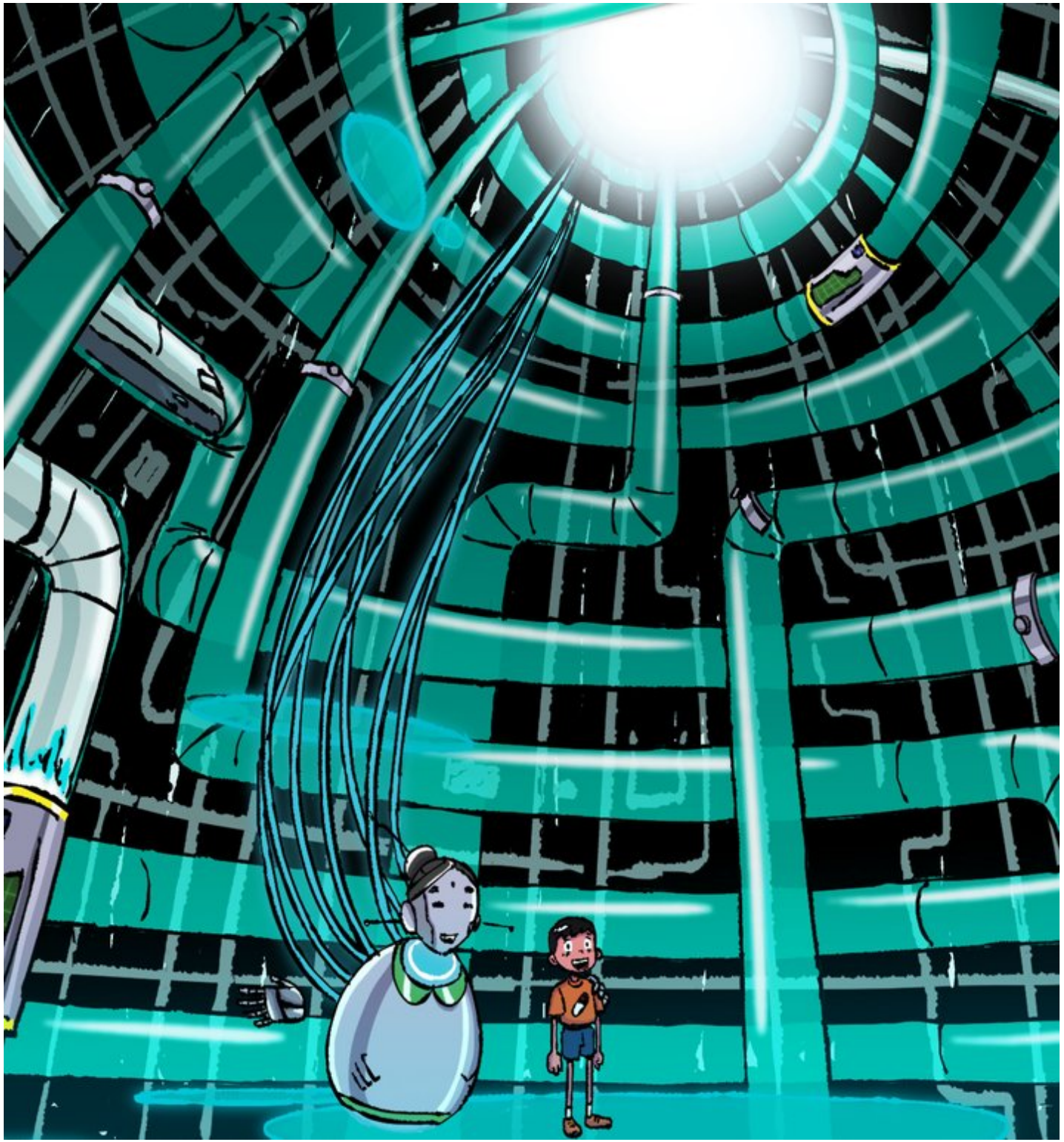
“我在哪里？”
库纳尔降落在了一个奇怪火车站的站台上。
在他周围，有非常多的火车呼啸驶过。
一个信号在他的头上弹出。那是“核心路由器”



“我是怎么来到这里的呢？库纳尔惊叹道。“我怎么才能出去呢？”

这是库纳尔看到一位女士站在月台上。她看起来非常繁忙的在指挥所有的火车。

“打扰一下，阿姨。这些火车都是去哪里的呢？库纳尔问到。



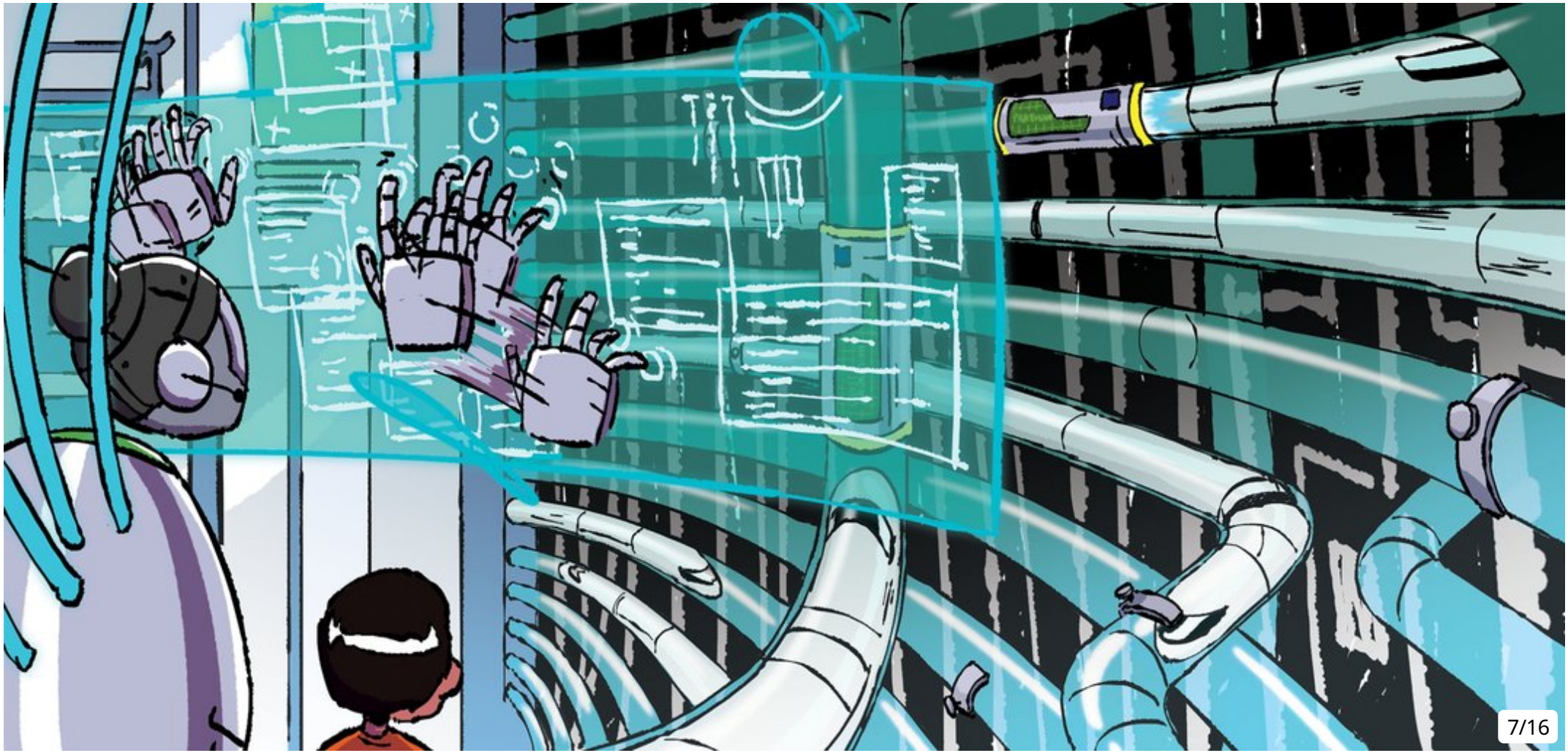
“我是交通控制处，”她说，非常忙，“但是你可以叫我TCP，这些或者正载着数据去到互联网的不同地方。”

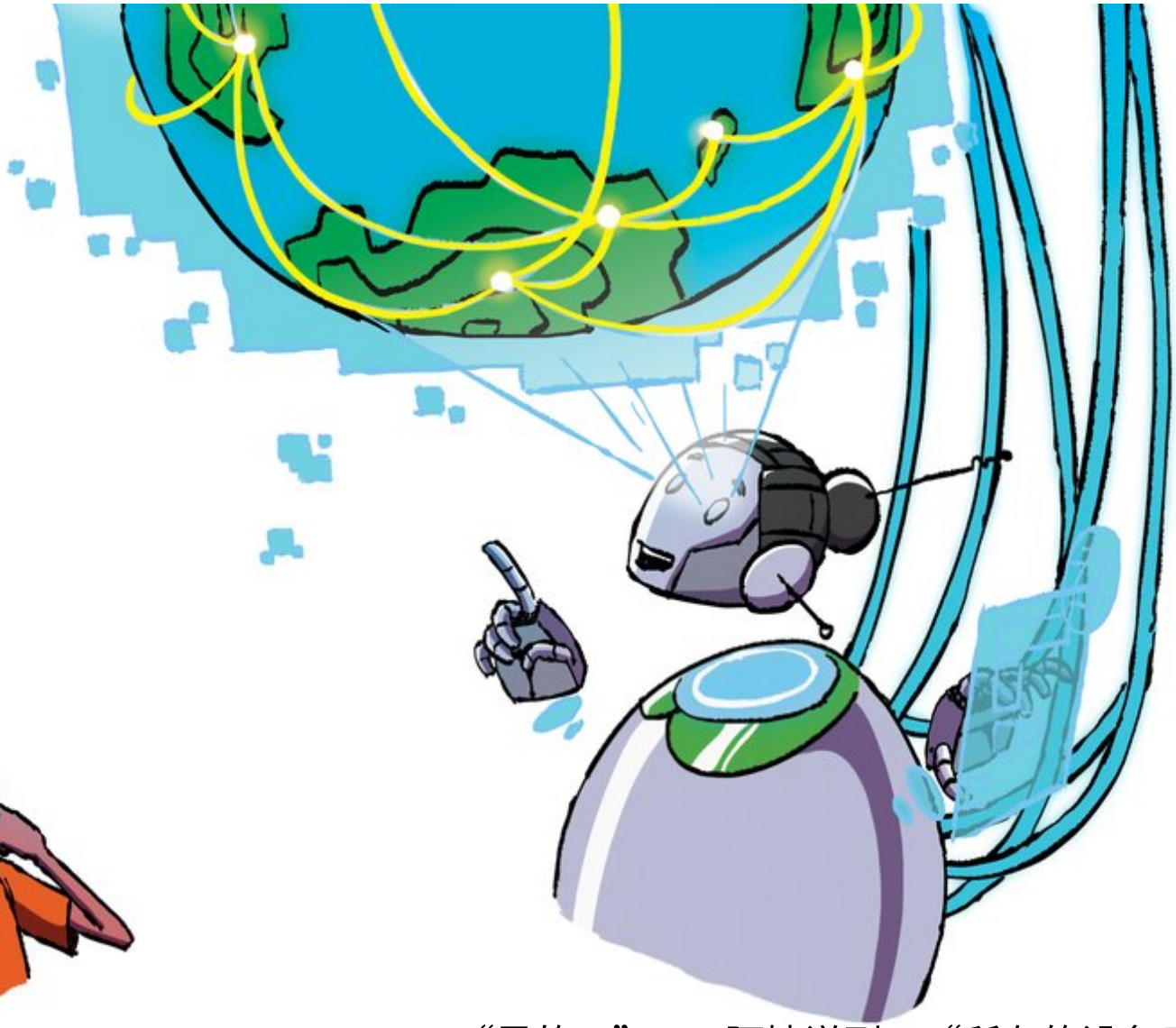
库纳尔观看着她的双手在TCP的屏幕上来回的移动东西。

“哇哦，”库纳尔说。“你在做什么，TCP阿姨？”

“我当然是在网络上指挥数据交通喽，”TCP回答道。

“所有的事情必须移动的非常快，非常快，非常快！”火车们呼啸而过，运载着数据去到不同的方向。





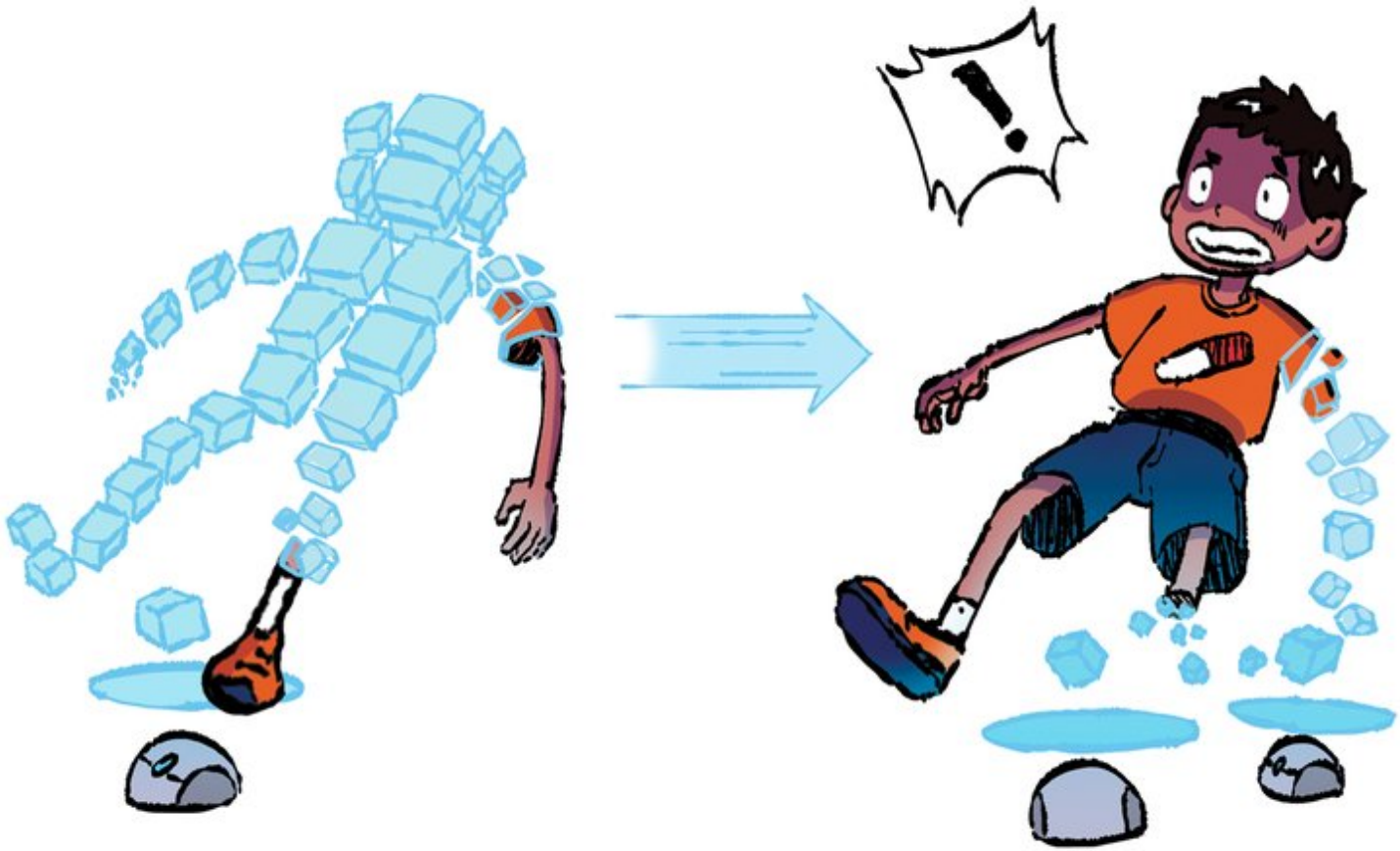
“是不是所有的连接在互联网上的手机和电脑都是相通的呢？”库纳尔问到，一个想法浮现在他的脑中。

“是的，”TCP阿姨说到，“所有的设备只要是接入在互联网上的都是相互链接的。这些链接的通道往往是电线，电缆，无线电波和宇宙卫星。”

“TCP阿姨，如果所有在互联网上的设备是相互链接的，你是否可以把我送回家呢？”

“当然！”TCP说到。她上下打量库纳尔。

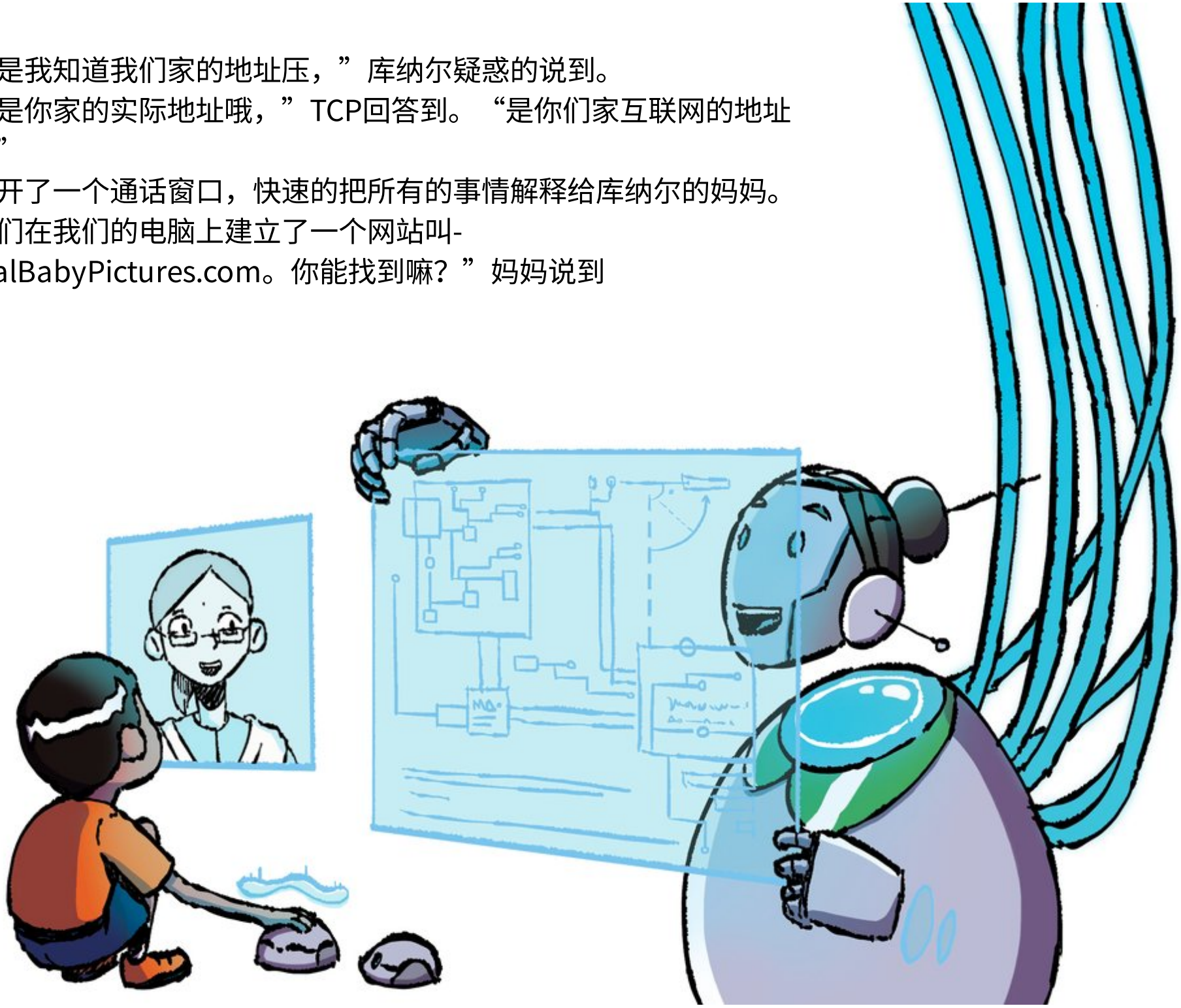
“我们会把你拆分之后把你运走。首先，我们要把你拆分成几千个小部分。之后我们会把你所有的字节通过不同的路径送回家，之后再把你重新拼凑起来。”

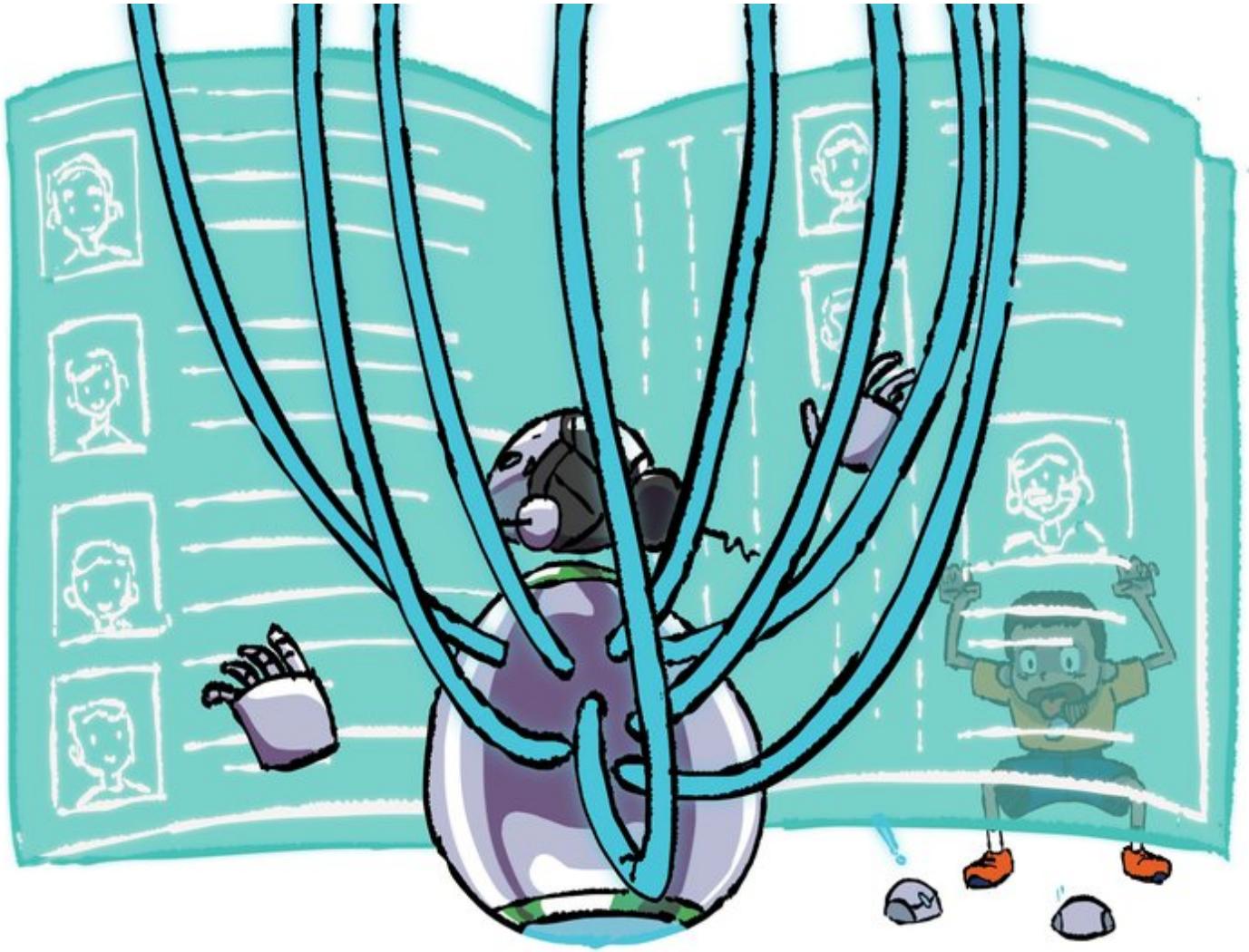


“不！”库纳尔着急的说。
“有...有没有其他的方式呢？”

“这个，”TCP皱着眉头。“如果你坚持不要拆分自己的话，那我就把你整个通过电路交换把你送回去，但是这样比较慢。现在让我们来问问你妈妈家里的送货地址吧。”

“但是我知道我们家的地址压，”库纳尔疑惑的说到。
“不是你家的实际地址哦，”TCP回答到。“是你们家互联网的地址哦！”
她打开了一个通话窗口，快速的把所有的事情解释给库纳尔的妈妈。
“我们在我们的电脑上建立了一个网站叫-KunalBabyPictures.com。你能找到嘛？”妈妈说到





“我们可以通过妈妈电脑的IP地址找到她，”TCP说到。

“所有的电脑和网站都有一个独一无二的数字，我们称作IP地址。”

TCP打开了一本非常巨大的叫'DNS'的书。

“这本书涵盖了所有的互联网网站的IP地址”她告诉库纳尔。

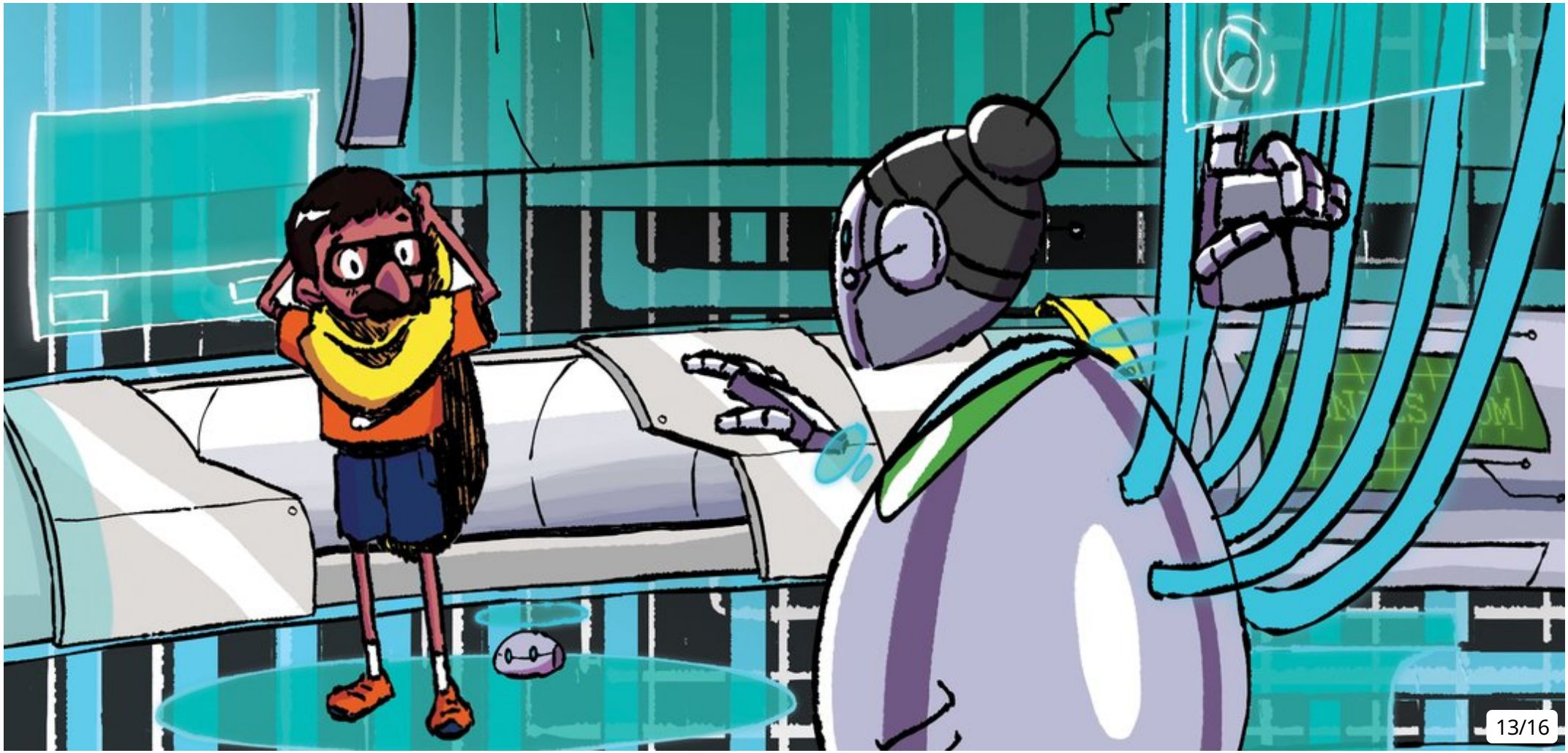
她非常仔细的查阅着，直到-“找到啦！”

“这里”TCP说到。“你将会被加密，这样其他人就不会在半路中把你抢走。”

TCP将一个帽子和傻傻的带有鼻子和胡子的眼镜给了库纳尔，并让他带好，作为伪装。

“你确实是非常敏感的数据！”她说。

“再见，TCP阿姨！”库纳尔高兴的回复到。



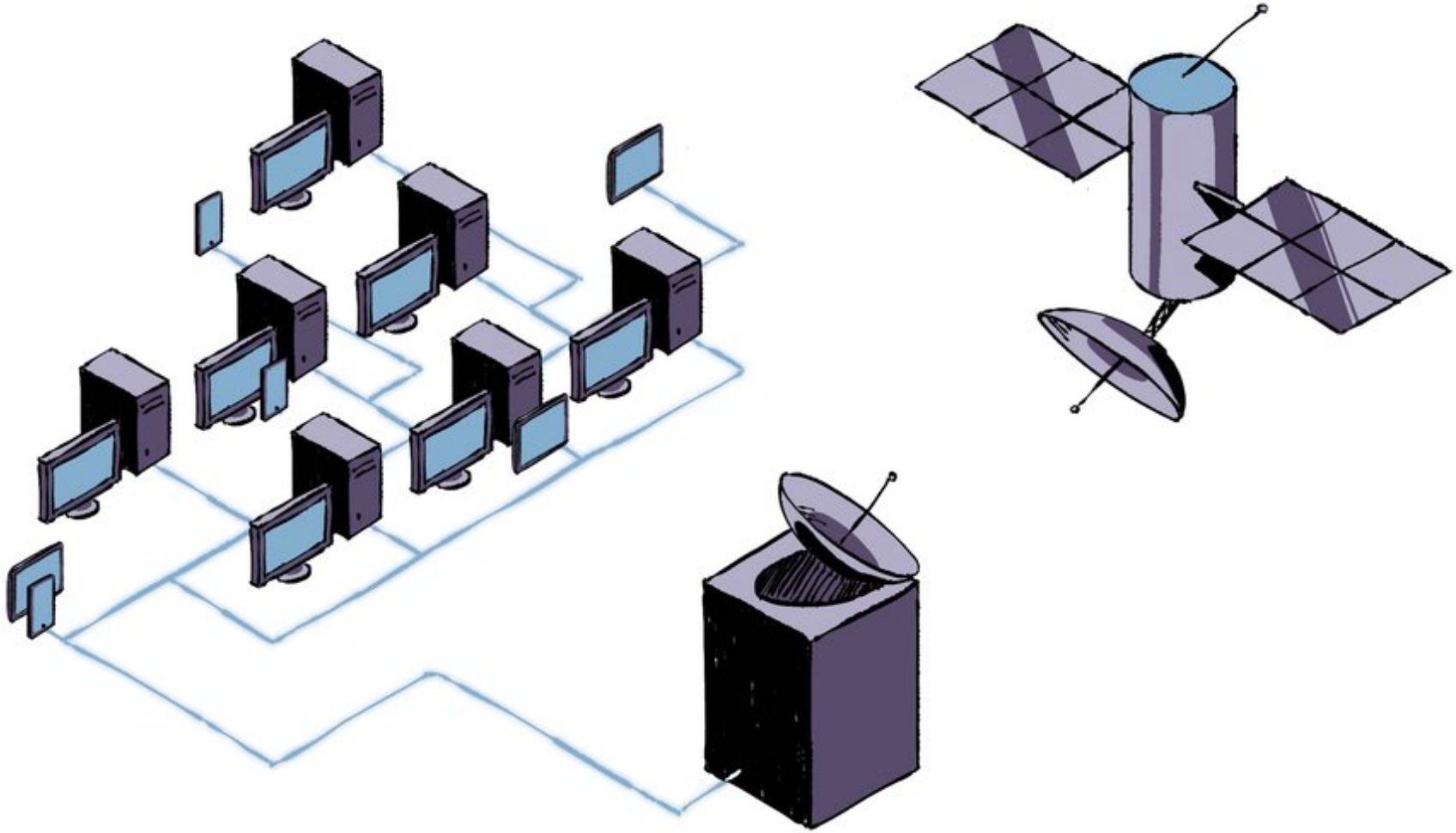
库纳尔移动的非常快。他的手和腿很痛。这时-他突然出现在了家中，他回家了。

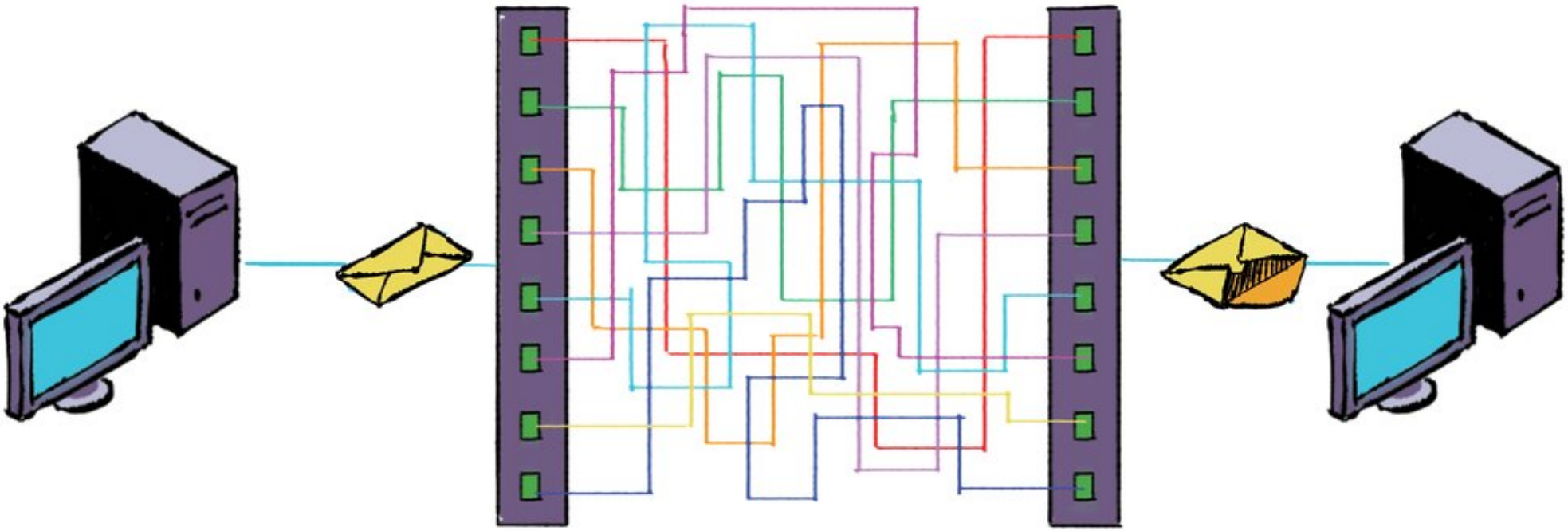
“我亲爱的！”妈妈说。“非常开心你能回来。接下来，你要通过阅读了解学习互联网，但是不要在迷失在互联网中了。”

库纳尔热爱互联网，但他更热爱在家。

什么时互联网?

互联网是让不同的电脑，手机，平板电脑相互链接的名称。它是一个可以将信息扩散到世界每个角落的系统。它让我们将数据通过电缆，光纤，无线电波和卫星网络传输到不同的电脑设备上。每一个连接到网络上的设备都有一个独特的号码叫做IP地址。





数据是怎么传输的呢?
非常多种类的数据通过网络传输，例如邮件，网页，视频，聊天记录和图片。
传输控制协议(TCP）是一系列的规则和程序，让电脑之间传输数据的时候通过这些协议去分拆进入到对应的运输数据的包裹中。之后当包裹运输到了重点，会重新的根据顺序组装起来。这种数据传输的方法叫做分组交换。
在电路切换中，所有的数据是通过同一个路径传输的。这种方式没有分组交换有效。

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迷失在互联网中

(Chinese (Simplified))

库纳尔在互联网中迷失了，并且他不知道怎么从互联网中走出来。跟着他来一场网络科幻之旅，看看他是怎么找到回家的路的。

This is a Level 4 book for children who can read fluently and with confidence.

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