

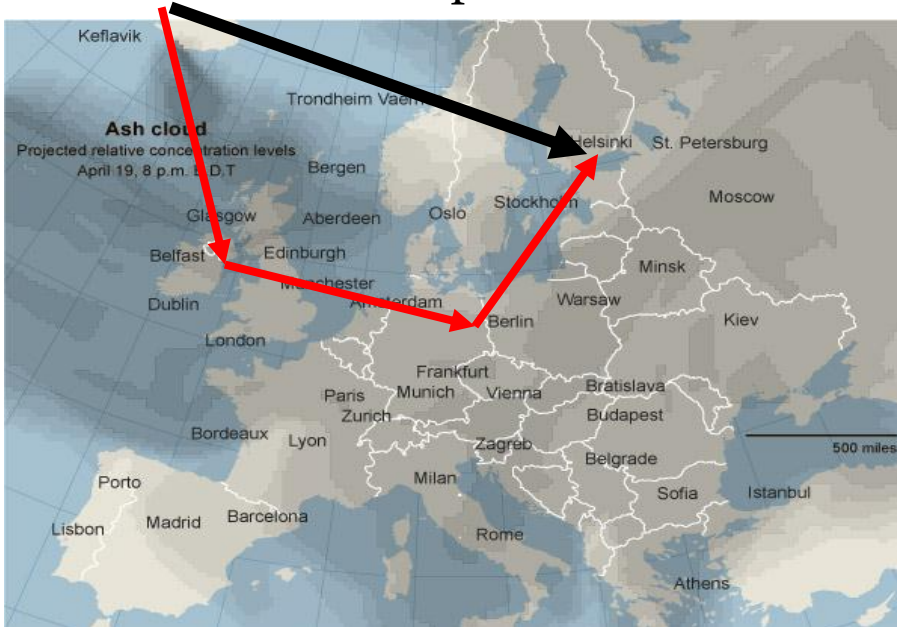
RESULTANTS

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Please send me an e-mail informing me of the context in which you used this NYTimes application. Thanks! Dr. Cise

Air Travel Chaos Deepens Into Weekend



INTRODUCTION: Iceland volcano To Belfast is 700 miles at 15° East Of south. Belfast to Berlin is 700 miles 30° South of east, Berlin to Helsinki is 700 miles at 30° East of North.

QUESTION: Find resultant displacement(magnitude & direction) from Iceland volcano to Helsinki?

HINT: Be careful in finding components. Some are in positive direction and some in negative direction. Make a table .

ANSWER: ~ 1212 miles at $\sim 20.27^\circ$ South of East.



Smoke continued to billow from the volcano in Eyjafjallajokull, Iceland on Friday

PARIS — The menacing cloud of ash from a volcano in Iceland moved eastward across Northern Europe on Friday, expanding an already massive transportation gridlock and throwing weary travelers into an anxious limbo.

Scientists were uncertain when the cloud would dissipate, as its repercussions rippled far beyond the flight boards at shuttered airports in Europe. Opera singers and musicians were stranded while trying to make their performances, and perishable foods were stuck in warehouses. Thousands of people unable to travel by air jammed train stations or hired long-haul taxis in a desperate search for alternative ways to reach their destinations. Recreational runners in Europe grew worried they would not be able to reach Boston early Monday in time for the start of the Boston Marathon.

From business meetings to long-planned high school trips to world diplomacy, the ash cloud affected many facets of life. The state funeral of the Polish president, Lech Kaczynski, and his wife was likely to take place as scheduled on Sunday, according to Polish authorities, but it was unclear which international dignitaries would be able to get there.

"I've never seen such chaos," said Erich Klug, 35, a buyer for an auto parts company who was in the Frankfurt airport when it shut down on Friday. Hundreds of people stood in line there to buy train tickets, while others slept on cots as they awaited news of a resumption of air service.