

Test Case	Sample Data	Expected Result (Google Maps)	Checked
Only one-Bus	<p>Origin: 41.909511, -87.768083 North Ave & Waller</p> <p>Destination: 41.909376, -87.775066 North Ave & Austin</p>	take the bus 72 th line from this stop “North Ave & Major “ which is going to this stop “North Ave & Austin” then get off at that stop.	<u>Exactly the same</u>
Only one-Bus	<p>Origin: 41.853186, -87.623709 Tommy Gun’s Garage</p> <p>Destination: 41.870503, -87.624006, Michigan & 9th Street</p>	<p>(1) take the bus 4th line from this stop “Michigan & 21st Street “ which is going to this stop “Michigan & 9th Street” then get off at that stop.</p> <p><u>OR</u></p> <p>(2) take the bus 1st line from this stop “Michigan & 21st Street “ which is going to this stop “Michigan & 9th Street” then get off at that stop.</p>	<p><u>Exactly as (2)</u></p> <p>but from this stop “Michigan & Cermak” which is directly beside Michigan & 21st Street</p>
Only Two - Buses	<p>Origin: 41.7859722, -7.7524167 Midway Airport</p> <p>Destination: 41.8383158, -7.6266167 SB</p>	<p>(1) take the bus 55th line from this stop (Midway & Orange Line Station) then transfer to 29th line at this stop (Garfield & State). Leave the bus at this stop: "State & 31st Street"</p> <p><u>OR</u></p> <p>(2) take the Orange line from Midaway stop to Roosevelt then transfer to Green line and leave the train at 35-Bronzevelt IIT</p>	<u>Exactly as (1)</u>

<p>Only Two - Buses</p>	<p>Origin: 41.909511,-87.768083 North Ave & Waller</p> <p>Destination 41.892726 , -87.725928 Pulaski & Erie</p>	<p>(1) take the bus 72th line from this stop (North Ave & Waller) then transfer to 53th line at this stop (North Ave & Pulaski). Leave the bus at this stop: "Pulaski & Erie"</p> <p><u>OR</u></p> <p>(2) take the bus 70th line from this stop (Division & Waller) then leave the bus at this stop: "Division & Pulaski" Need a lot of walking</p>	<p><u>Exactly as the (1)</u></p> <p>But by using this stop "North Ave & Major" which is directly beside: "North Ave & Waller"</p>
<p>Only one-Train</p>	<p>Origin: 41.831688,-87.62585 35-Bronzeville IIT</p> <p>Destination: 41.867386 -87.627034 Roosevelt</p>	<p>From this stop "35-Bronzeville IIT " take the train which is going to this stop "Roosevelt" then get off at that stop.</p>	<p><u>Exactly the same</u></p>
<p>Only two Trains</p>	<p>Origin: 41.982973,-87.859996 "O'Hare Airport"</p> <p>Destination: 41.831688,-87.62585 35-Bronzeville IIT</p>	<p>From this stop: "Rosemont-Blue" take the Blue-line Train which is going to this stop: Clark/Lake then at that stop transfer to the Green-line Train which is going to this stop: "35-Bronzeville-IIT-Green" Then, get off the Train at that stop.</p>	<p><u>Exactly the same</u></p>
<p>Only two Trains</p>	<p>Origin: 41.831688,-87.62585 35-Bronzeville IIT</p> <p>Destination: 41.7859722,-87.7524167 Midway Airport</p>	<p>from this stop "35-Bronzeville IIT " take the train which is going to this stop "Roosevelt" then transfer to the train which is going to this stop "Midway - Orange Line " then get off the train at that stop.</p>	<p><u>Exactly the same</u></p>

<p>Hybrid buses→train → buses</p>	<p>Origin: 41.909376, - 87.775066 North Ave & Major</p> <p>Destination: 41.851402, -87.616361 Cermak & McCormick Place</p>	<p>From this stop: "North Ave & Major" take the 72-line Bus which is going to this stop: "North Ave & Clybourn " Then get off the Bus at that stop.</p> <p>From this stop: "North Avenue & Clybourn" take the Red-line Train which is going to this stop: "Cermak-Chinatown" Then get off the Train at that stop.</p> <p>From this stop: "Cermak & Chinatown" take the 21-line Bus which is going to this stop: "Cermak & McCormick Place" Then get off the Bus at that stop.</p>	<p><u>Exactly the same</u></p>
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